

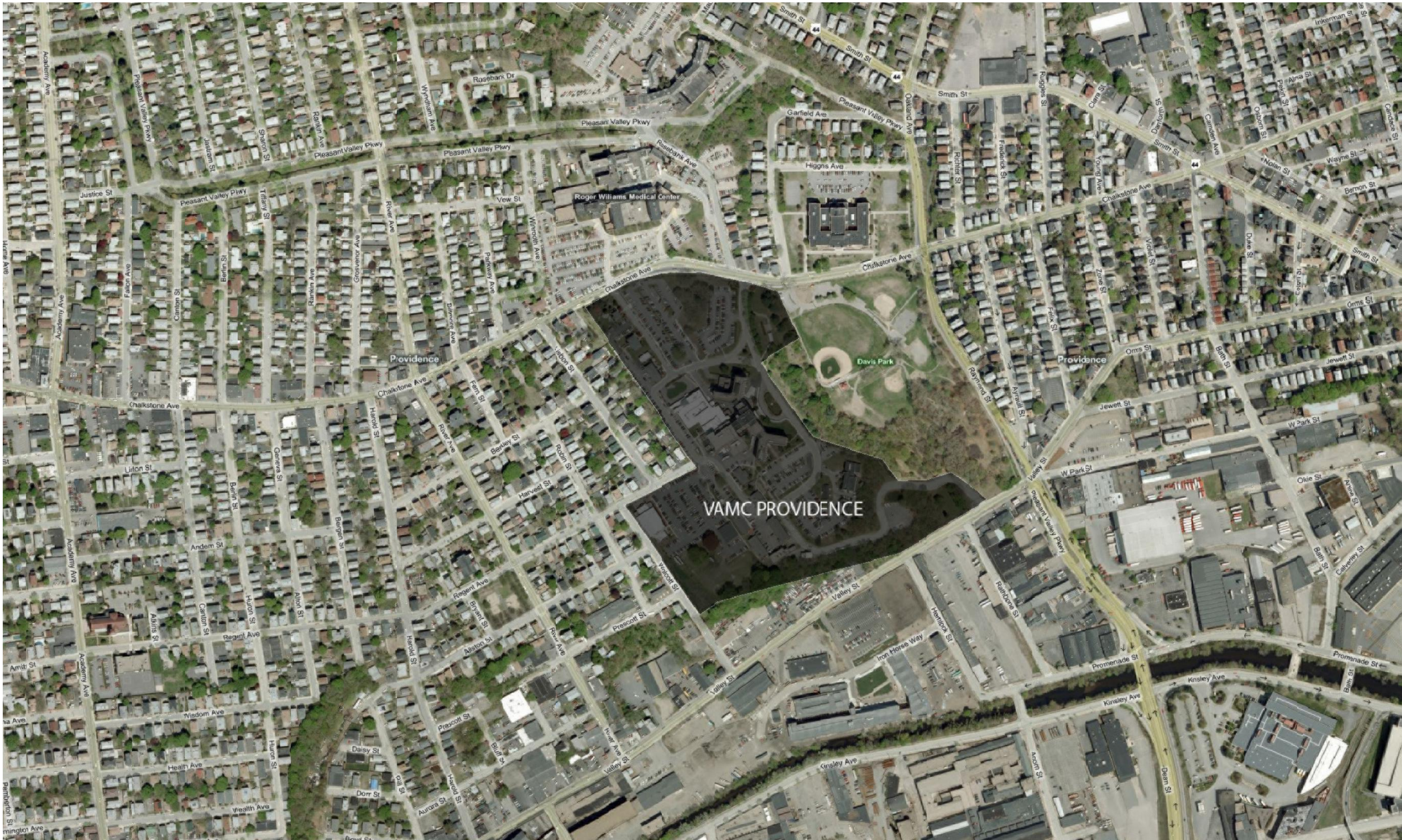
# VAMC Providence RI 02908

## Elevator Upgrades and Modernization

### Project #650-10-106

## Building 1

Owner  
VA Medical Center  
830 Chalkstone Ave.  
Providence, RI 02908



ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

		CONSULTANTS:		ARCHITECT:		Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management 	
		Structural Engineer:	MEP/FP Engineers:	Environmental Engineers	Vertical Transportation Specialist	COVER SHEET	Elevator Upgrades and Modernization	650-10-106		
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139	Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738	CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701	VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210	Approved Project Director	Location VAMC PROVIDENCE, RI 02980	Building Number 1		
Revisions		Date					Date 03/23/12	Checked	Drawn	Drawing Number GI001 Dwg. 001 of 030



ABBREVIATIONS

AB	ANCHOR BOLT, AUGER BORING	FFH	FROST PROOF HYDRANT	PS	PULL SWITCH
ABS	AIR BREAK SWITCH	FR	FRAME	PT	POINT, POINT OF TANGENT
AC	AIR CONDITIONING, ASBESTOS CEMENT, ACRES	FS	FULL SIZE	PTN	PARTITION
A/C	ASPHALTIC CONCRETE	FTG	FOOTING	PTVC	POINT OF VERTICAL CURVE
ACB	AIR CIRCUIT BREAKER	FJ	FELT JOINT	PVC	POLY VINYL CHLORIDE
ACBR	ALUMINUM CONDUCTOR STEEL REINFORCED	FW	FIRE WATER	PM	POINT OF VERTICAL INTERSECTION
ACST	ACOUSTIC	FXTR	FIXTURE	PVT	POINT OF VERTICAL TANGENT
AD	AREA DRAIN, ACCESS DOOR			PVMT	PAVEMENT
ADJ	ADJUSTABLE	G	GROUND, GAS LINE, GRAM	QT	QUARRY TILE
AFF	ABOVE FINISHED FLOOR	GA	GAGE		
AHU	AIR HANDLING UNIT	GAL	GALVANIZED	R	RADIUS, RISER, RUBBER SHEATH
ALT	ALTERNATE	GC	GLAZED COATING	RA	RETURN AIR
AL	ALUMINUM	GFI	GROUND FAULT INTERRUPT	RAO	RADIUS
AM	ACOUSTIC MATERIAL	GFU	GROUND FACE MASONRY UNIT	RB	RESILIENT VINYL BASE
AMPERS	AMPERE	GL	GLASS	RC	REFLECTED CEILING PLAN
AMP	ACCESS PANEL	GR	GRADE	ROD	ROOF DRAIN, ROAD
APPROX	APPROXIMATE	GRD	GROUND	ROCP	RECEPTACLE
ARCH	ARCHITECTURAL	GSU	GLAZED STRUCTURAL UNIT	RED	REDUCING
ARR	ARRRESTOR	GW	GROUND WATER	REIN	REINFORCEMENT
ASPH	ASPHALT	GWB	GYPSPUM WALL BOARD	REG	REGULATOR, REGISTER
ATS	AUTOMATIC TRANSFER SWITCH	GYP	GYPSPUM	REQD	REQUIRED
		HGT,H	HEIGHT, HUMIDIFIER	REV	REVISION
B	BASELINE	HB	HOSE BIBB	RF	ROOF, RETURN FAN
BD	BOARD	HC	HANDICAPPED	RHC	REHEAT COIL
BEU	BRICK EXPANSION JOINT	HD	HARD DRAWN	RI	RUBBER INSULATED
BLOG	BUILDING	HOW	HARDWARE	RIS	RIGID GALVANIZED STEEL
BLK	BLOCK	HCSW	HORN GAP SWITCH	RL	RAIN LEADER
BM	BEAM	HO	HIGH INTENSITY DISCHARGE	RM	ROOM
B	BOTTOM	HORIZ	HORIZONTAL	RP	REVOLUTIONS PER MINUTE
BRG	BEARING	HP	HIGH POINT	RVT	RESILIENT VINYL TILE
BRM	BOTTOM REGISTER	HPS	HIGH PRESSURE SODIUM	S	SECOND, SOUTH, SANITARY, SEWER, STRUCTURE
BSMT	BASEMENT	HOUR	HOUR	SAN	SANITARY SEWER
		HS	HIGH STRENGTH	SATC	SUSPENDED ACOUSTICAL TILE CEILING
C	CELSIUS	HW	HOT WATER, HEADWALL	SCH	SCHEDULE
CAP	CAPACITY	HWL	HIGH WATER LEVEL	SD	SPLITTER DAMPER, STORM DRAIN
CB	CIRCUIT BREAKER	HXY	HEAVY	SE	SOUTHEAST
CC	CENTER TO CENTER	HZ	HERTZ	SECT	SECTION
CD	CEILING DIFFUSER			SEV	SERVICE
CEM	CEMENT	D	INSIDE DIAMETER, INSIDE DIMENSION	SF	SILT FENCE
CFM	COLD FORMED METAL FRAMING	E	INVERT ELEVATION	SG	SUPPLY GRILLE
CG	CORNER GUARD	IC	INTERMEDIATE METAL CONDUIT	SH	SHEET
CH	CHILLER	INT	INTERIOR	SH	SHEET
CI	CAST IRON, COURTYARD INLET	INSUL	INSULATION, INSULATED	SM	SIMILAR
CIP	CAST IRON PIPE	INV	INVERT	1 PH	SINGLE PHASE
CJ	CIRCULATING	INTX	INTERSECTION	SKCP	SUSPENDED KEENE'S CEMENT PLASTER
CK	CONTROL JOINT	IP	INLET PROTECTION	SL	SLOPE
CKT	CIRCUIT	IRBF	INDUSTRIAL RESIN BASE FLOORING	SMH	SANITARY MODULE
>	GREATER THAN	JB	JUNCTION BOX	SP	STATIC PRESSURE, SINGLE POLE
CLG	CEILING	JCT	JUNCTION	SPC	SUSPENDED PLASTER CEILING
CLR	CLEAR	JCT	JUNCTION	SPOT	SINGLE POLE, DOUBLE THROW
CMP	CORRUGATED METAL PIPE	JCT	JUNCTION	SPEC	SPECIFICATION
CMPA	CORRUGATED METAL PIPE ARCH	JT	JOINT	SPST	SINGLE POLE, SINGLE THROW
CMU	CONCRETE MASONRY UNITS	JST	JOIST	SQ	SQUARE
CND,C	CONDUIT			SR	SUPPLY REGISTER
CNDG	CONDENSATE	K	KILO	SS	SANITARY SEWER
CNDG	CONDENSATE	KAC	THOUSAND AMP INTERRUPT CAPACITY	ST	STEAM, SINGLE THROW, STREET
CO	CLEANOUT	K	KEENE'S CEMENT PLASTER	STA	STATION
COOP	CLEANOUT W/ DECK PLUG	KG	KILOGRAM	STD	STANDARD
COU	COLUMN	KN	KILONEWTON	STL	STEEL
COMM	COMMUNICATION	KQ	KNOCK OUT	SUP	SUPPORT
CONC	CONCRETE	KV	KILOVOLT	SUSP	SUSPENDED
COND	CONDUCTOR	KVA	KILOVOLT-AMPERE	SV	SHEET VINYL
CONN	CONNECTION	KW	KILOWATT	SW	SWITCH, SIDEWALK
CONST	CONSTRUCTION			SWD	SWITCHBOARD
CONT	CONTINUOUS	L/S	LITERS PER SECOND	SWGR	SWITCHGEAR
CONV	CONVERTER	L	LOUVER, LENGTH, LENGTH OF CURVE		
COP,CU	COPPER	LA	LOUVER, LENGTH, LENGTH OF CURVE	T	TILE, TOP, TANGENT
CP	NONREINFORCED CONCRETE PIPE	LC	LEAD COVERED	T&B	TOP AND BOTTOM
CR	CARD READER	LD	LINE LOAD	TC	TOP OF CURB
CRS	STAINLESS STEEL	LLH	LONG LEGS HORIZONTAL	TEL	TELEPHONE
CS	CONCRETE SEALER/SURFACE	LLV	LONG LEGS VERTICAL	TEMP	TEMPERATURE, TEMPORARY
CSK	COUNTER SUNK	LT	LIGHT	TERM	TERMINAL
	CERAMIC TILE, CURRENT TRANSFORMER, COOLING TOWER	LTV	LAVATORY VERTICAL	3/C	THREE CONDUCTOR
CT	CENTER, COOLING TOWER RETURN	LVC	LENGTH OF VERTICAL CURVE	3/P	THREE POLE
CTS	COOLING TOWER SUPPLY			3 WAY	THREE WAY
CW	COLD WATER	M	METER, MEGA	TH	TOTAL HEAD (PUMPS)
CWB	CAPILLARY WATER BARRIER	M	METER, MEGA	THRESH	THRESHOLD
CONTR	CONTRACTION	MACH	MACHINE	TOP	TOP OF
CPT	CARPET	MAS	MASONRY	TP	TEST PIT
		MATL	MATERIAL	TR	TOP REGISTER
D	DEPTH, DEEP, DEGREE OF CURVATURE	MAX	MAXIMUM	TRANS	TRANSITION
DB	DRY BULB, DECIBEL, DIRECT BURIAL	MCH	MECHANICAL	TV	TELEVISION
DD	DIVERSION DIKE	MECH	METAL	TW	TOP OF WALL
DET	DETAIL	MH	MANHOLE	TYP	TYPICAL
DH	DRILL HOLE	MIN	MINIMUM, MINUTE	UC	UNDERGROUND
DI	DUCTAL IRON	MIS	MISCELLANEOUS	UCR	UNDER COUNTER REFRIGERATOR
DM	DAMETER	MLO	MAIN LOG ONLY	UGE	UNDERGROUND ELECTRIC
DM	DIMENSION	MM,mm	MILLIMETER	UGT	UNDERGROUND TELEPHONE
DL	DEAD LOAD	MP	MEDIUM PRESSURE	UH	UNIT HEATER
DMPR	DAMPER	MTD	MOUNTED	UFAS	UNIFORM FEDERAL ACCESSIBILITY STANDARDS
DN	DOWN	MTG	MOUNTING	V	VENT, VOLT, VALVE
DO	DOWN	MWP	MEMBRANE WATERPROOFING	VA	VOLT AMPERE
DP	DISTRIBUTION PANEL	MULL	MULLION	VAC	VACUUM
DS	DOWNSPOUT, STORM DRAINAGE STRUCTURE	N	NORTH	VCT	VINYL COMPOSITION TILE
DT	DRAIN TILE	NA	NOT APPLICABLE	V ASB	VINYL ASBESTOS
DWG	DRAWING	NC	NON CORROSIVE	VCM	VARIANUS CAMBRIC, VITRIFIED CLAY
DWD	DRAINING WATER DISPENSER	NE	NORTHEAST	VCP	VITRIFIED CLAY PIPE
E	EAST	NDC	NOSE DOWN CURB	VENT	VENTILATING
EA	EACH	NEC	NATIONAL ELECTRIC CODE	VERT	VERTICAL
EAN	EXCEPT AS NOTED	NEUT	NEUTRAL	VEST	VESTRULE
EAT	ENTERING AIR TEMPERATURE	NC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
EF	EMPTY CONDUIT	NO	NUMBER	VPOC	VERTICAL POINT OF CURVE
EG	EXHAUST GRILLE	NOM	NOMINAL	VPOI	VERTICAL POINT OF INTERSECTION
EJ	EXPANSION JOINT	NPS	NOMINAL PIPE SIZE	VS	VENT STACK
EL	ELEVATION	NST	NOT TO SCALE	VTR	VENT THRU ROOF
ELEC	ELECTRIC	NW	NORTHWEST	VTV	VINYL WALL COVERING
ELEV	ELEVATOR	OA	OUTSIDE AIR	W	WOTH,WASTE,WATER,WATT,WEST, WIRE, WATER LINE STRUCTURE
EMER	EMERGENCY	OCB	OIL CIRCUIT BREAKER	WA	WATT
E/P	EDGE OF PAVEMENT	OD	OUTSIDE DIAMETER	W/O	WITHOUT
EOS	EDGE OF SLAB	OP-HD	OPPOSITE HAND	WB	WET BULB
EQ	EQUIPMENT	OPNG	OPENING	WC	WATER CLOSET
ER	EXHAUST REGISTER	OPP	OPPOSITE	WD	WIDTH, WINDOW DIMENSION
EVAP	EVAPORATIVE	OSD	OPEN SITE DRAIN	WOM	WALK OFF MAT
EW	EACH WAY	OVHD,OH	OVERHEAD	WL	WATER LEVEL
EW	ELECTRIC WATER COOLER	Po	PASCALS	WP	WATERPROOF, WEATHERPROOF
EW	ELECTRIC WATER COOLER	P	PIPE, POLE	WS	WASTE STACK, WATER SURFACE, WATERSTOP
EX	EXISTING	PB	PULL BOX	WT	WEIGHT
EXP	EXPANSION, EXPOSED	PI	POINT OF INTERSECTION	WWF	WELDED WIRE FABRIC
EXT	EXTERIOR	PV	POST INDICATOR VALVE	XFMR	TRANSFORMER
		PVF	PREFORMED JOINT FILLER	X-STR	UNIT HEATER
F	FIRE, FUSE, FILTER	PL	PLATE		
FA	FIRE ALARM	PLAS	PLASTER	2-1 SL	2 HORIZONTAL TO 1 VERTICAL SLOPE
FABX	FIRE ALARM BOX	PLN	PAPER AND LEAD NEOPRENE JACKET	1 ON 2	1 VERTICAL ON 2 HORIZONTAL SLOPE
FD	FLOOR DRAIN, FIRE DAMPER	PLYWD	PLYWOOD		
FDR	FOUNDATION	PNL	PANEL		
FEED	FEEDER	PNT	PANT		
FE	FIRE EXTENSUGHER	PREL	PRELIMINARY		
FTE	FINISHED FLOOR ELEVATION	PRESS	PRESSURE		
FH	FIRE HYDRANT	PRM	PRIMARY		
FHC	FIRE HOSE CABINET	PRV	PRESSURE RELIEF VALVE		
FIG	FIGURE				
FIN	FINISH				
FL	FLOOR, FLUSHING, FLOW LINE				

CONSULTANTS:

Structural Engineer:

Lim Consultants, Inc.  
90 Hamilton Street  
Cambridge, MA 02139

Lim Consultants, Inc.

MEP/FP Engineers:

Thompson Consultants, Inc.  
525 Mill Street  
Marion, MA 02738



Environmental Engineers

CDW Consultants, Inc.  
40 Speen Street Suite 301  
Framingham, MA 01701



Vertical Transportation Specialist

VDA (Van Deusen & Associates)  
Independence Wharf  
470 Atlantic Avenue, 4th Floor  
Boston, MA 02210



ARCHITECT:



HDR Architecture, Inc.  
695 Atlantic Ave | Boston, MA 02111 | 617.357.7700

Drawing Title

GENERAL DATA AND INFO

Approved Project Director

Project Title

Elevator Upgrades and Modernization

Location

VAMC PROVIDENCE, RI 02980

Date

03/23/12

Checked

Drawn

Project Number

650-10-106

Building Number

1

Drawing Number

G1002

Dwg. 002 of 030

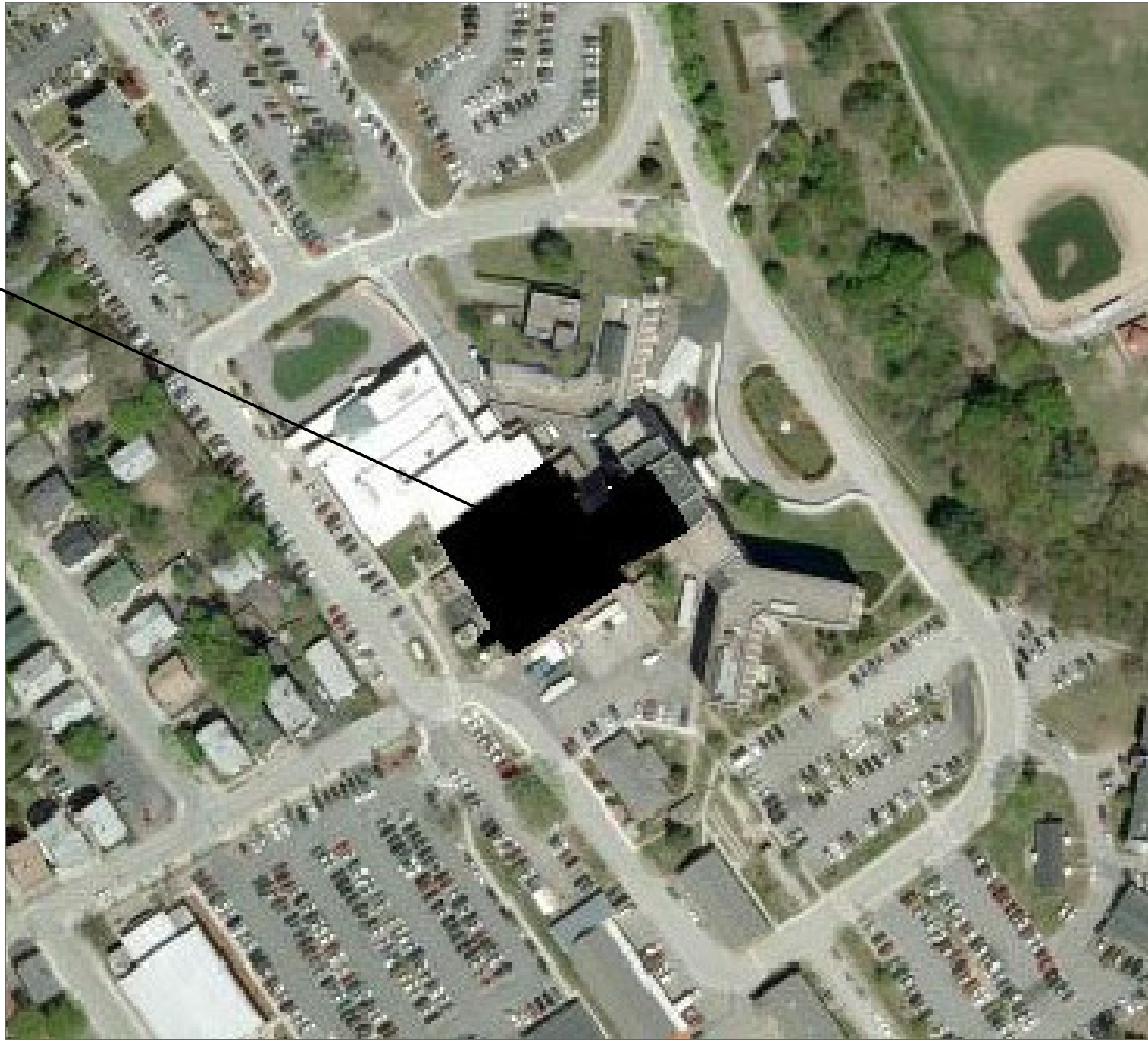
Office of  
Construction  
and Facilities  
Management



LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
GENERAL	
G1001	COVER SHEET
G1002	GENERAL INFO & DATA
G1011	LIMIT OF WORK / KEY PLAN / ACCESS PLAN (FIRST FLOOR LEVEL INDICATED)
G1012	PHASING PLAN (FIRST FLOOR LEVEL INDICATED)
ARCHITECTURAL	
AS101	PLANS ELEVATOR NOS. P2, P3 & P4 (BASE BID)
AS102	PLANS/STAIRWAY SECTIONS ELEVATOR NOS. P2, P3 & P4 (BASE BID)
AS103	PLANS/STAIRWAY SECTION DUMBWATER (BID OPTION NO 1)
AS104	PLANS/STAIRWAY SECTION ELEVATOR NO. S5 (BID OPTION NO 2)
AS105	PLANS/STAIRWAY SECTION ELEVATOR NO. S6 (BID OPTION NO 3)
AS106	PLANS ELEVATOR NO. P7 (BID OPTION NO 4)
AS107	PLANS ELEVATOR NO. P8 (BID OPTION NO 5)
AS108	PLANS/STAIRWAY SECTION ELEVATOR NO. S1 (BID OPTION NO 6)
A1021	ENLARGED ELEVATOR CAB PLANS, ELEVATIONS AND ROPS BASE BID, BID OPTION 2 & 3
A1022	ENLARGED ELEVATOR CAB PLANS, ELEVATIONS AND ROPS BID OPTIONS 4, 5 & 6
A1023	ENLARGED ELEVATOR CAB PLANS, ELEVATIONS AND ROPS, BASE BID & BID OPTIONS 2 & 3 ALT. PANEL LAYOUTS
A1024	ENLARGED ELEVATOR CAB PLANS, ELEVATIONS AND ROPS BID OPTIONS 4, 5 & 6 ALT. PANEL LAYOUTS
A1001	DOOR AND FINISH SCHEDULE, FINISH LEGEND AND NOTES
MECHANICAL	
M1-4.01	HVAC BASE OPTION
M1-4.02	HVAC OPTION 2
M1-4.03	HVAC OPTION 3
M1-4.04	HVAC OPTION 4
M1-4.05	HVAC OPTION 5
ELECTRICAL	
E1-01	ELECTRICAL LEGEND & GENERAL NOTES
E1-01	ELECTRICAL BASE BID
E1-02	ELECTRICAL BASE BID
E1-03	ELECTRICAL OPTION 2
E1-04	ELECTRICAL OPTION 3
E1-05	ELECTRICAL OPTION 4
E1-06	ELECTRICAL OPTION 5
E1-07	ELECTRICAL OPTION 6

VAMC PROVIDENCE



Location Map



Vicinity Map



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FULLY SPRINKLERED



LIMIT OF WORK GENERAL NOTES

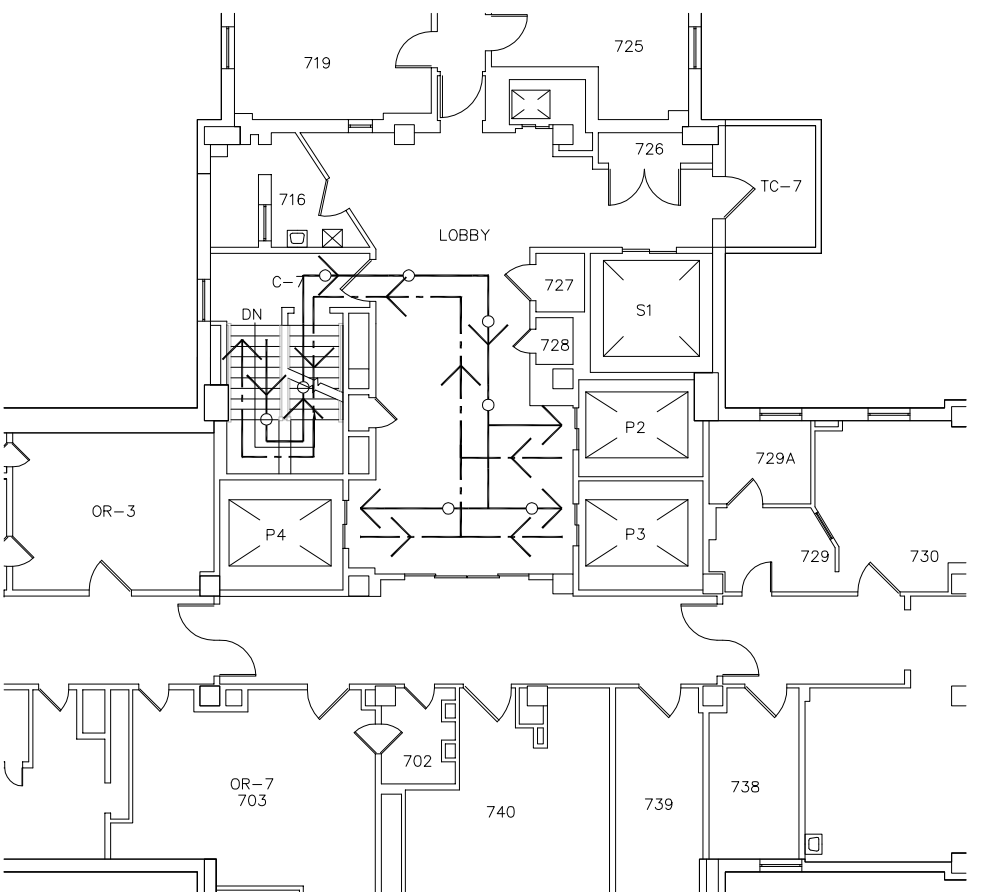
1. THE LIMIT OF WORK LINE DELINEATED ON THE LIMIT OF WORK PLAN INDICATES THE EXTENT OF THE PROJECT SCOPE OF WORK IN GENERAL. THIS AREA INCLUDES (BUT IS NOT LIMITED TO) THE MAIN AREA OF ALTERATIONS WITHIN THE PROJECT. THE LIMIT OF WORK LINE SHALL NOT LIMIT OR RESTRICT THE AREAS OF THE EXISTING BUILDING IN WHICH CONSTRUCTION MAY BE NECESSARY TO COMPLETE THE PROJECT FULL SCOPE-OF-WORK (INTERIOR OR EXTERIOR), INCLUDING ALL ARCHITECTURAL, STRUCTURAL, ELEVATOR EQUIPMENT, MECHANICAL, HVAC, PLUMBING, FIRE PROTECTION, AND ELECTRICAL WORK. ALL OF THIS WORK IS REQUIRED AS NOTED, SPECIFIED, INDICATED PARTIALLY OR FULLY, WITHIN OR BEYOND THE LIMIT-OF-WORK LINE INDICATED AND IS TO BE INCLUDED AND PROVIDED TO FULLY COMPLETE THE PROJECT CONSTRUCTION AND ALTERATIONS REQUIRED.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY APPROPRIATE ARRANGEMENTS AND COORDINATION WITH THE EXISTING BUILDING FACILITIES DIRECTOR, HOSPITAL BUILDING SERVICES AND ALL GOVERNING AUTHORITIES, TO ACCESS AREAS OF THE EXISTING BUILDING THAT REQUIRE ANY CONSTRUCTION WORK OR ACTIVITIES INSIDE OR OUTSIDE OF THE DELINEATED PROJECT LIMIT OF WORK AREA.
3. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PROTECTING ALL EXISTING CONSTRUCTION AFFECTED BY AND DISTURBED BY ANY ASSOCIATED CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR REPAIRING AND CORRECTING ANY CHANGED OR ALTERED EXISTING CONSTRUCTION TO MATCH ITS PRECONSTRUCTION CONDITION AND/OR EXISTING ADJOINING CONSTRUCTION AND FINISHES.
4. THE CONTRACTOR IS TO MAKE ALL NECESSARY ARRANGEMENTS AND COORDINATE WITH THE HOSPITAL THE PROJECT SCOPE OF WORK AND ALL OTHER AREAS NECESSARY TO ACCOMMODATE ALL OF THE WORK REQUIRED.
5. ELEVATOR MACHINE ROOMS AND ADJACENT ROOF LEVELS NOT INDICATED ON THIS DRAWING. THESE LOCATIONS ARE ALL IN THE LIMIT OF WORK AREAS AS NECESSARY TO COMPLETE THE REQUIRED WORK.
6. - - - - - LIMIT OF WORK LINE

CONSTRUCTION ACCESS GENERAL NOTES

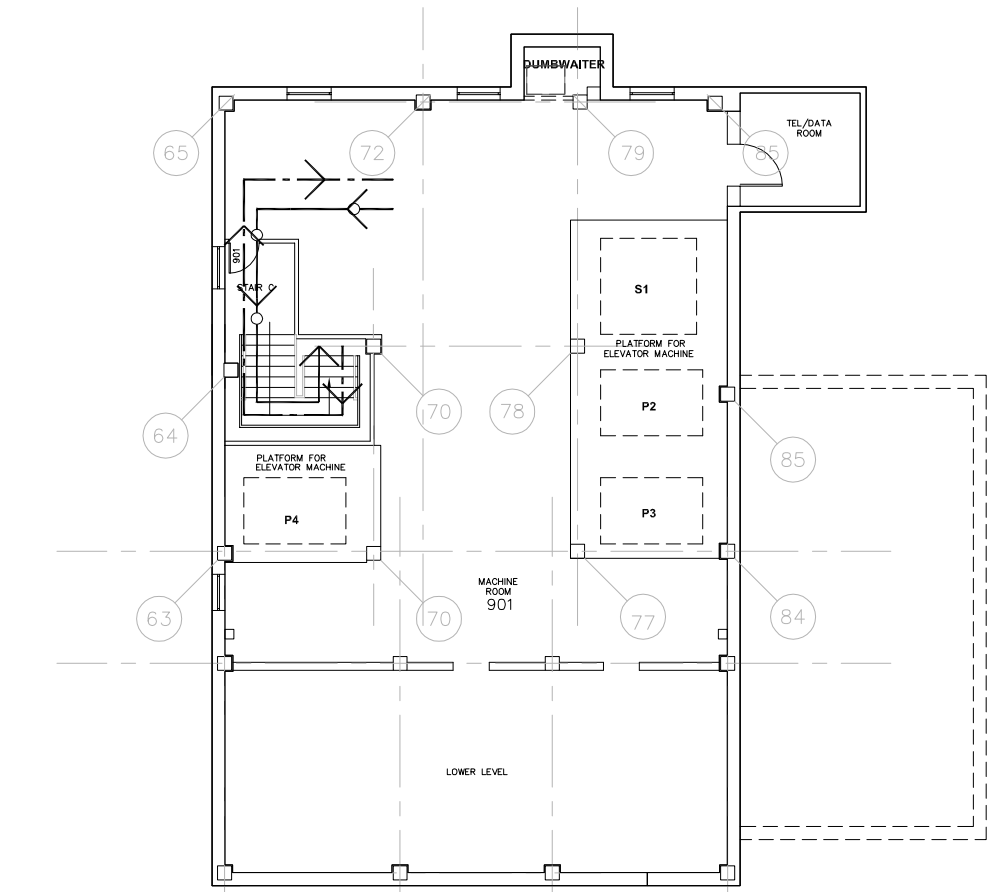
1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE FUTURE MENTAL HEALTH / SPECIALTY ADDITION CONSTRUCTION PROJECT (SEE KEY PLAN FOR LOCATION OF FUTURE ADDITION).
2. SEE INDIVIDUAL ELEVATOR PLANS FOR ELEVATOR HOISTWAY TEMPORARY ENCLOSURE LOCATION(S) AND REQUIREMENTS.
3. ALL MATERIALS / EQUIPMENT ARE TO BE DELIVERED VIA THE EXISTING HOSPITAL LOADING DOCK. NO CONTRACTOR VEHICLE PARKING IS ALLOWED AT THE LOADING DOCK. ALL MATERIAL / EQUIPMENT DELIVERIES ARE TO BE SCHEDULED AND COORDINATED IN ADVANCE WITH THE VA BUILDING FACILITIES DIRECTOR. ALL MATERIALS / EQUIPMENT ARE TO BE IMMEDIATELY REMOVED FROM THE LOADING DOCK. NO MATERIALS / EQUIPMENT ARE TO BE STORED AT THE LOADING DOCK.
4. TEMPORARY STORAGE LOCATION OF MATERIALS / EQUIPMENT IS TO BE COORDINATED WITH THE VA BUILDING FACILITIES DIRECTOR. ELEVATOR MACHINE ROOMS CAN BE USED FOR PROJECT STORAGE REQUIREMENTS. ANY OTHER TEMPORARY STORAGE LOCATIONS ARE TO BE AS DESIGNATED AND APPROVED IN ADVANCE BY THE VA BUILDING FACILITIES DIRECTOR.
5. ALL MATERIALS / EQUIPMENT / DEBRIS IS TO BE REMOVED VIA STAIR C AT THE FIRST FLOOR AND EXTERIOR RAMP. ALL DEBRIS IS TO BE DISPOSED OF IN AN ENCLOSED DUMPSTER. DUMPSTER SIZE AND LOCATION IS TO BE COORDINATED AND APPROVED IN ADVANCE WITH THE VA BUILDING FACILITIES DIRECTOR. NO DEBRIS / REMOVED ITEMS ARE TO BE STORED ON-SITE IN ANY OTHER LOCATION. ALL MATERIALS / EQUIPMENT / DEBRIS REMOVAL IS TO BE COORDINATED WITH THE VA FACILITIES DIRECTOR.
6. SEE DRAWINGS A1, A2, B1 AND B2 ON G101 SHEET FOR MATERIALS / EQUIPMENT DELIVERY / DEBRIS REMOVAL ACCESS ROUTES AT BASE BID AND BID OPTIONS NOS. 1, 2 AND 6, UPPER FLOORS. ANY CONTRACTOR MATERIAL DEBRIS REMOVAL TO EXISTING ROOF ACCESS ARE TO BE COORDINATED AND SCHEDULED IN ADVANCE WITH THE VA FACILITIES DIRECTOR.
7. SEE MATERIAL / EQUIPMENT DELIVERY AND MATERIAL / EQUIPMENT / DEBRIS REMOVAL ACCESS PLANS FOR REQUIRED ACCESS ROUTES.
8. - - - - - CONSTRUCTION DELIVERY ACCESS LINE
9. - - - - - CONSTRUCTION DEBRIS REMOVAL LINE

BASE BID/BID OPTION GENERAL NOTES

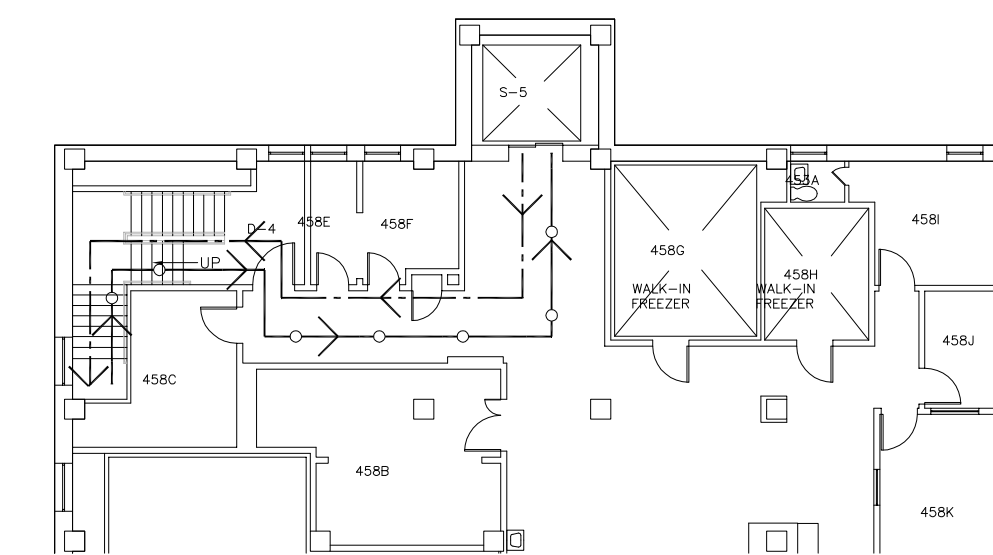
1. EACH BASE BID AND BID OPTIONS INDICATED ARE TO INCLUDE ALL WORK NECESSARY TO COMPLETE EACH INDIVIDUAL BID OPTION ITEM AND AS FOLLOWS:
  - A. BASE BID - ELEVATORS P2, P3, P4 AND ALL WORK ASSOCIATED WITH ELEVATOR MACHINE ROOM 901 (EXCEPT FOR WORK ASSOCIATED WITH DUMBWATER, BID OPTION NO. 1).
  - B. BID OPTION NO. 1 - DUMBWATER AND ALL WORK WITHIN ELEVATOR MACHINE ROOM 901 INDICATED ASSOCIATED WITH THE DUMBWATER ONLY.
  - C. BID OPTION NO. 2 - ELEVATOR S5 AND ALL WORK ASSOCIATED WITH ELEVATOR MACHINE ROOM.
  - D. BID OPTION NO. 3 - ELEVATOR S5 AND ALL WORK ASSOCIATED WITH ELEVATOR MACHINE ROOM.
  - E. BID OPTION NO. 4 - ELEVATOR P7 AND ALL WORK ASSOCIATED WITH ELEVATOR MACHINE ROOM 018.
  - F. BID OPTION NO. 5 - NEW ELEVATOR P8 AND ALL WORK ASSOCIATED WITH NEW ELEVATOR INSTALLATION.
  - G. BID OPTION NO. 6 - ELEVATOR S1 AND ALL WORK S1 WITHIN ELEVATOR MACHINE ROOM 901 INDICATED ASSOCIATED WITH ELEVATOR S1 ONLY.



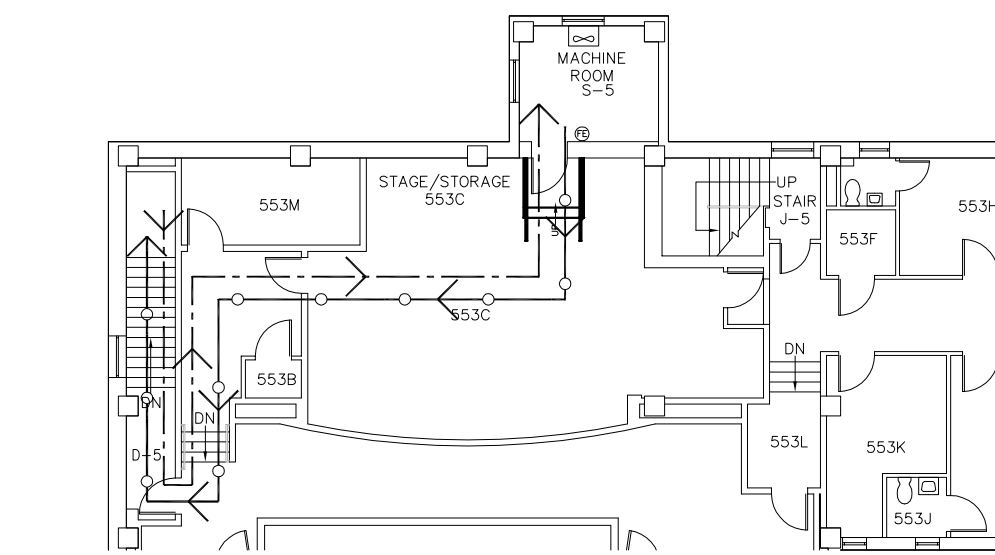
BASE BID, BID OPTION NOS. 1&6 - 7TH FLOOR  
1/16"=1'-0"



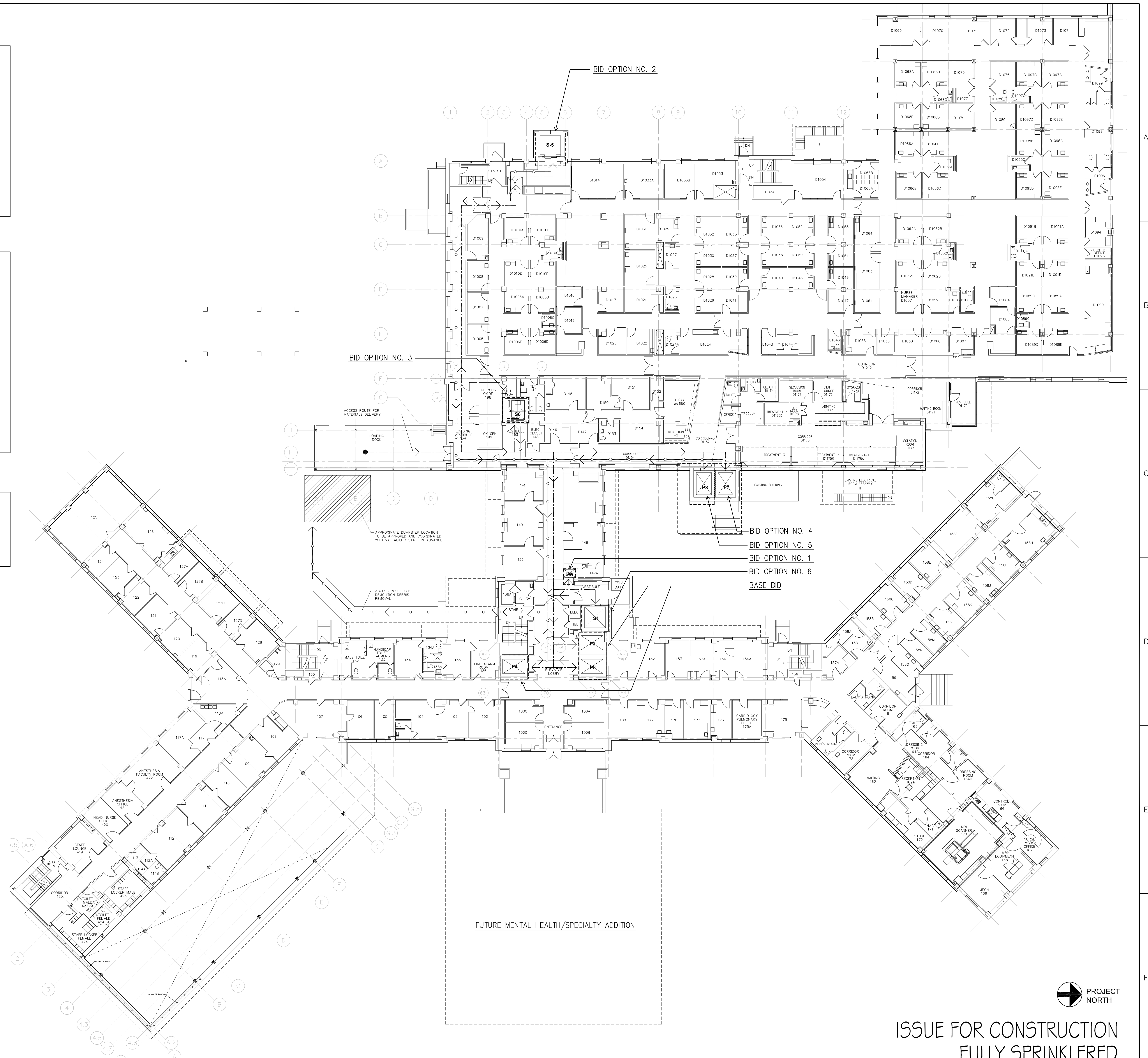
BASE BID, BID OPTION NOS. 1&6 - 9TH FLOOR  
1/16"=1'-0"



BID OPTION NO. 2 - 4TH FLOOR  
1/16"=1'-0"



BID OPTION NO. 2 - 5TH FLOOR  
1/16"=1'-0"



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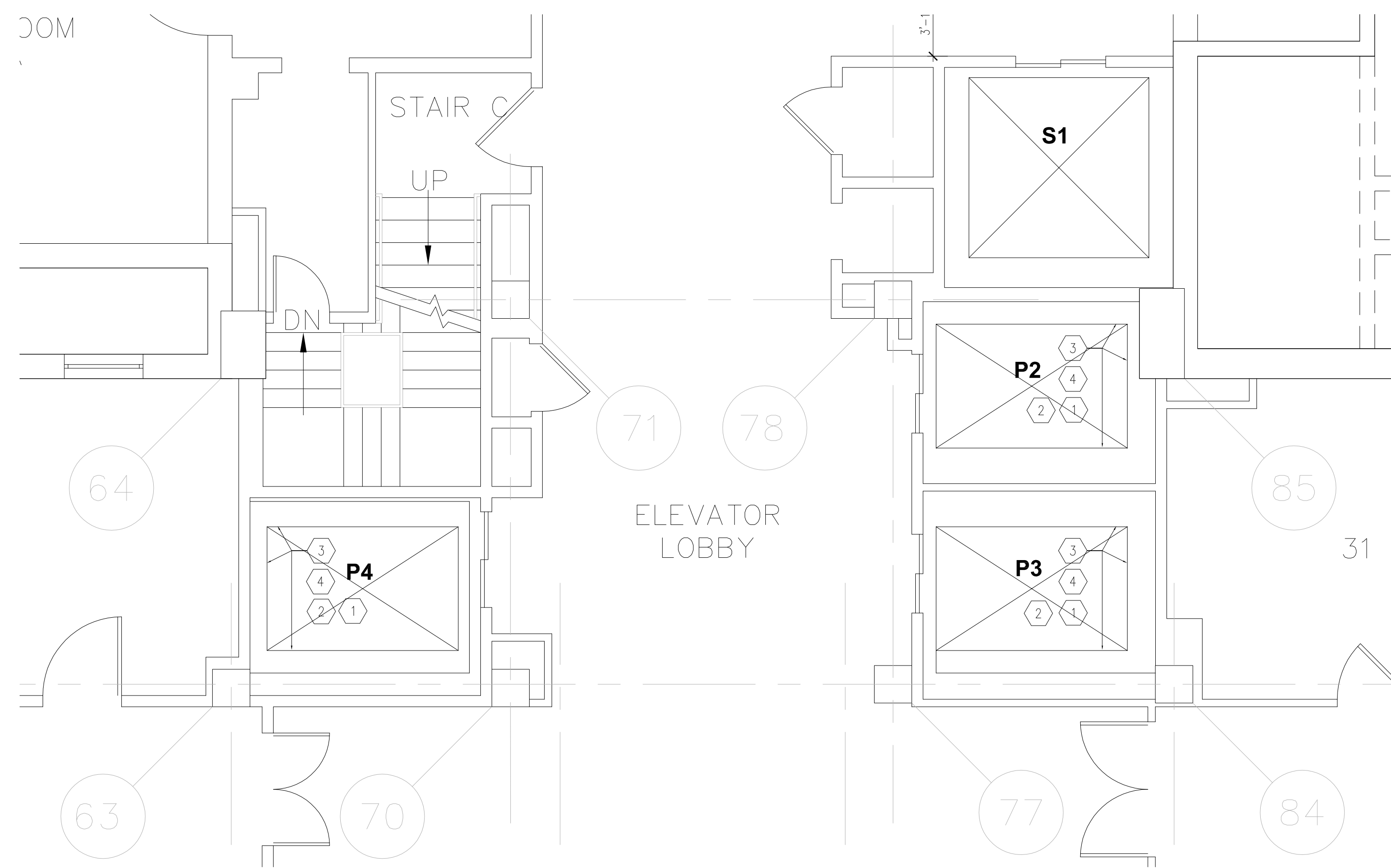
		CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management <div>Department of Veterans Affairs</div>			
		Structural Engineer:		MEP/FP Engineers:		Key Plan/Limit of Work/Access Plan (First Floor Level Indicated)		Elevator Upgrades and Modernization		650-10-106					
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Building Number 1					
		<div>Lim Consultants, Inc.</div>		<div>TCI THOMPSON CONSULTANTS, INC.</div>		<div>CDW</div>		<div>HDR HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700</div>		Approved Project Director				Location VAMC PROVIDENCE, RI 02980	
										Drawing Number GI101					
										Dwg. 003 of 030					
Revisions		Date						Date 03/23/12		Checked				Drawn	





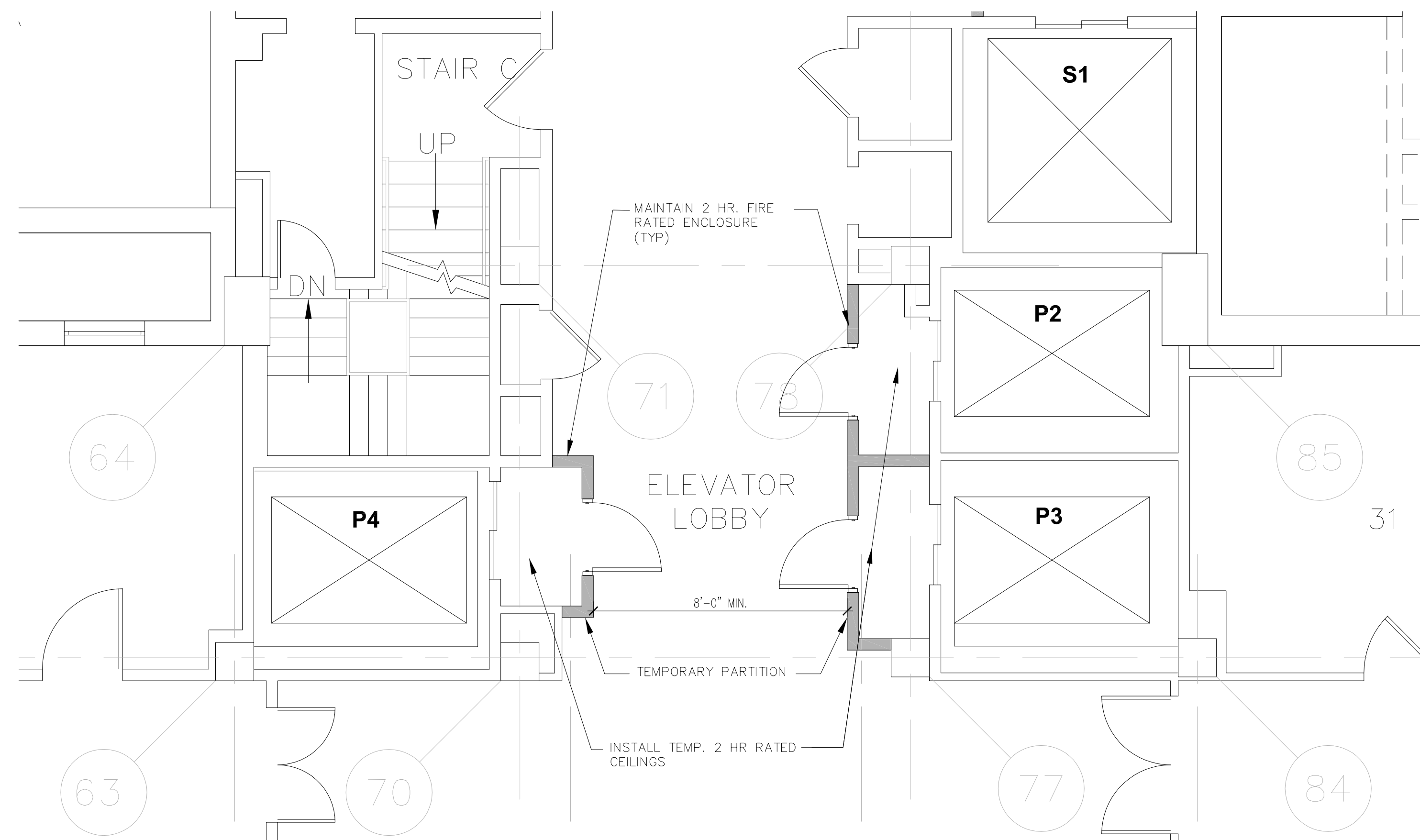


three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



- DEMOLITION NOTES**
- 1 REMOVE EXISTING FLOOR FINISH
  - 2 REMOVE EXISTING CEILING FINISH
  - 3 REMOVE EXISTING APPLIED WALL PANELS
  - 4 REMOVE EXISTING HAND/BUMPER RAILS
  - 5 REMOVE EXISTING DOOR
  - 6 REMOVE EXISTING LIGHT FIXTURES

A1 DEMOLITION PLAN – ELEVATOR Nos. P2, P3 & P4 – BUILDING 1 – BASEMENT  
1/4"=1'-0"

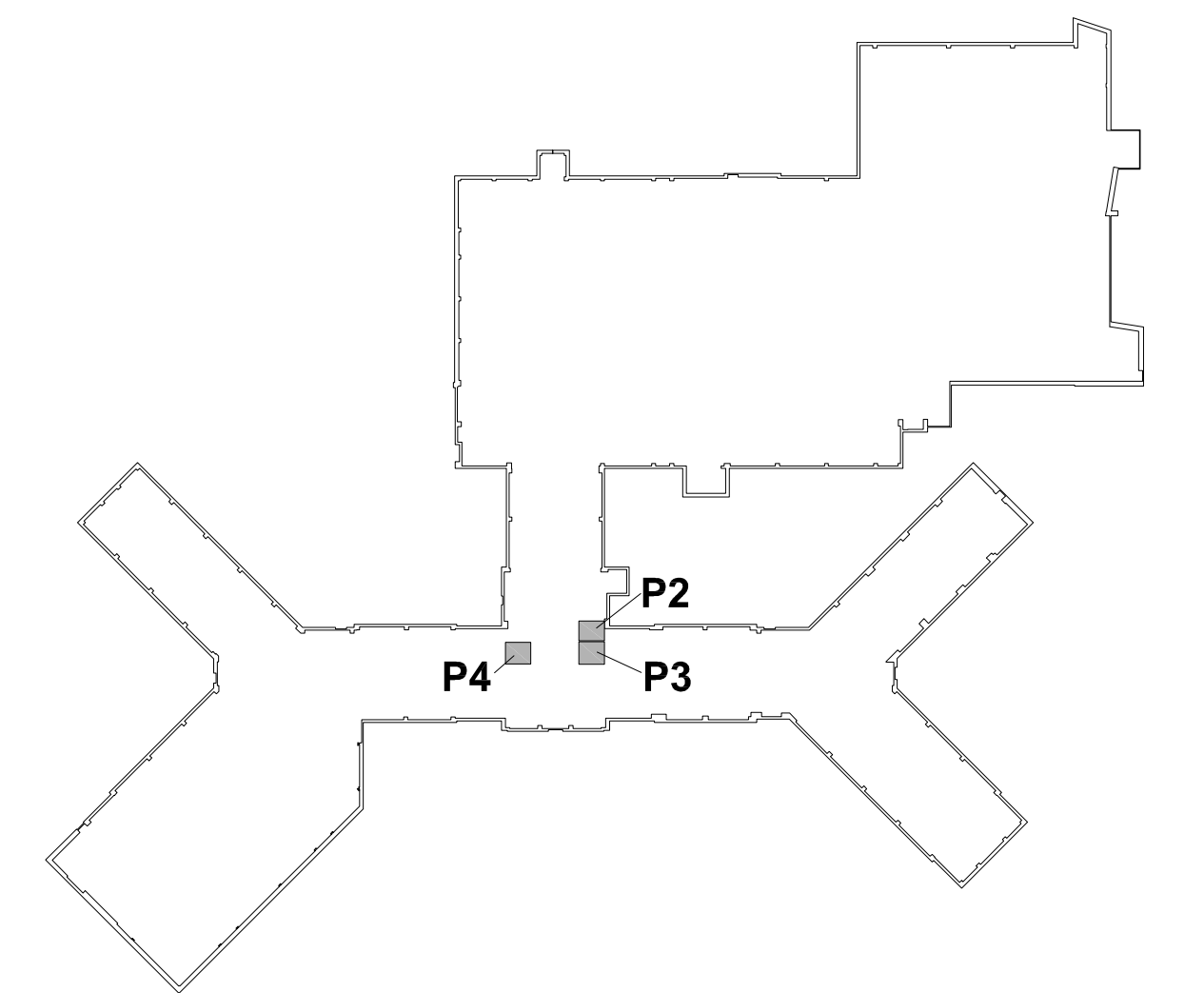


NOTE: PROVIDE TEMPORARY PARTITIONS AT FLOOR LEVELS INDICATED. ACCESS TO THE EXISTING HOISTWAYS WILL BE RESTRICTED TO THE FLOOR LEVELS INDICATED WITH TEMPORARY PARTITIONS ONLY.

ALL ELEVATOR AND DUMBWAITER SHAFTS, BY CODE, ARE REQUIRED TO BE 2 HOUR FIRE RATED. ALL THE TEMPORARY ENCLOSURE WALLS IN FRONT OF THE ELEVATOR DOORS SHOULD BE 2 HOUR RATED WITH A 1-1/2 HOUR B LABEL DOOR AND FRAME WITH AUTO CLOSER AND LOCKING HARDWARE.

NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.

B1 RENOVATION PLAN – ELEVATOR Nos. P2, P3 & P4 – BUILDING 1 – BASEMENT  
1/4"=1'-0"



KEY PLAN – ELEVATORS P2,P3&P4  
BUILDING 1 – (BASE BID)  
N.T.S.

ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management  Department of Veterans Affairs
Structural Engineer:		PLANS		Elevator Nos. P2, P3 and P4 (Base Bid)		Elevator Upgrades and Modernization		650-10-106		
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700		Approved Project Director		Building Number 1		Drawing Number <b>AS101</b>		
MEP/FP Engineers:		Environmental Engineers		Vertical Transportation Specialist		Location VAMC PROVIDENCE, RI 02980		Dwg 005 of 030		
Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Date 03/23/12		Checked HL		
Revisions		Date				Drawn CLH				





A1



NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.

NOTE: ELEVATOR S1 AND DUMBWAITER INDICATED ON BASE BID WORK FOR REFERENCE ONLY. SEE INDIVIDUAL BID OPTIONS FOR THEIR SCOPE-OF-WORK.

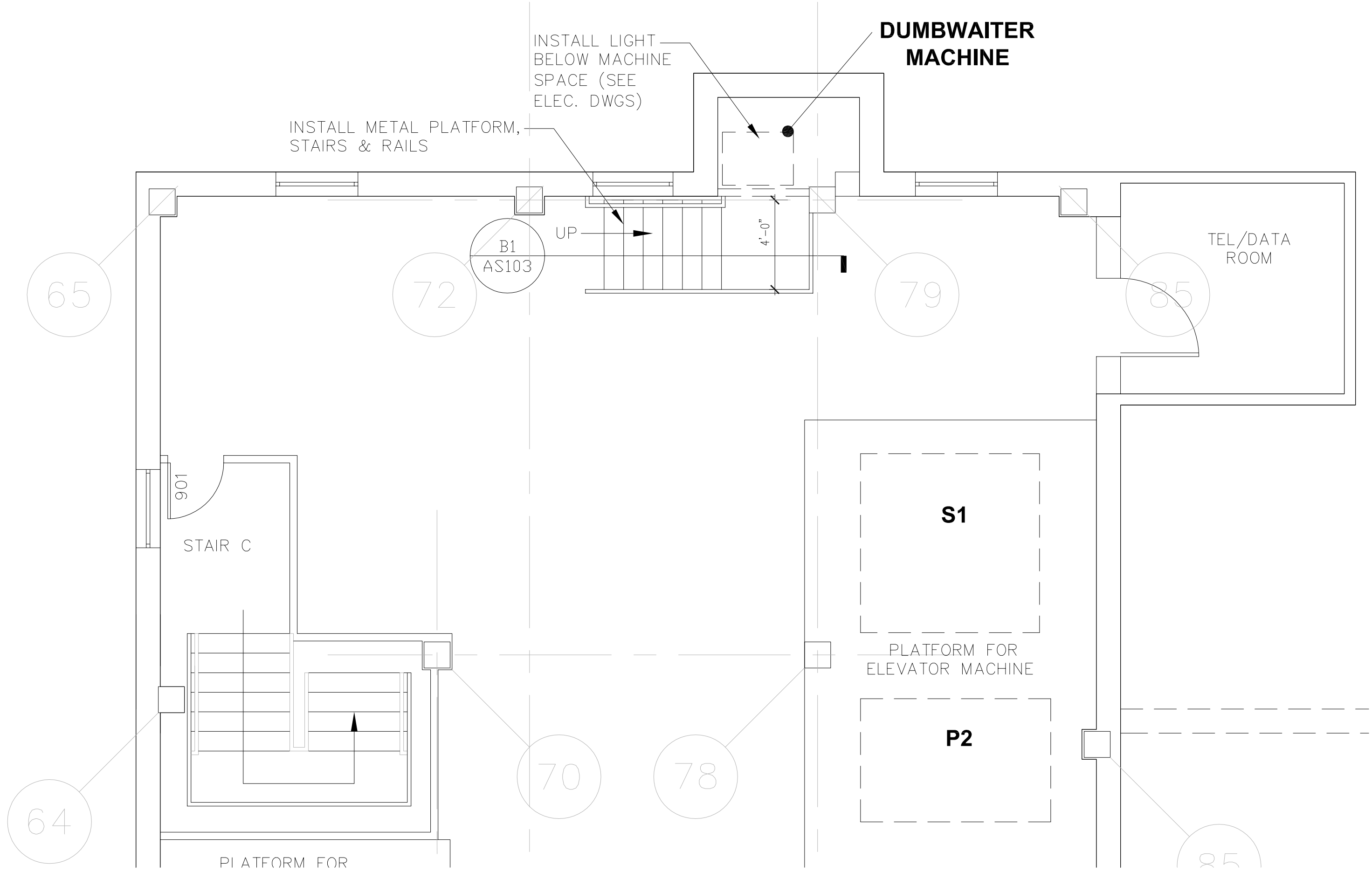


Office of  
Construction  
and Facilities  
Management

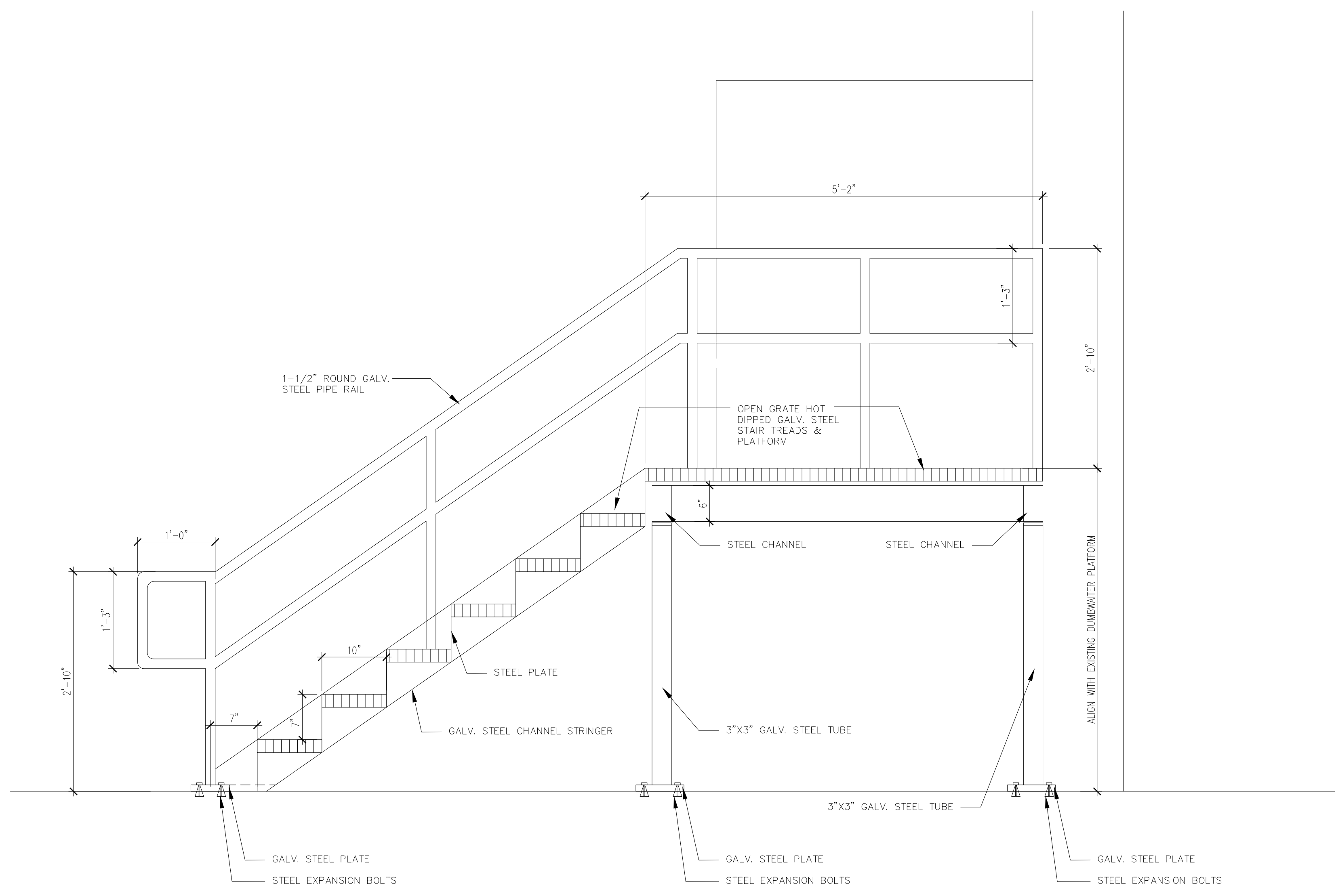
 Department of  
Veterans AffairsVA FORM 08-6231



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

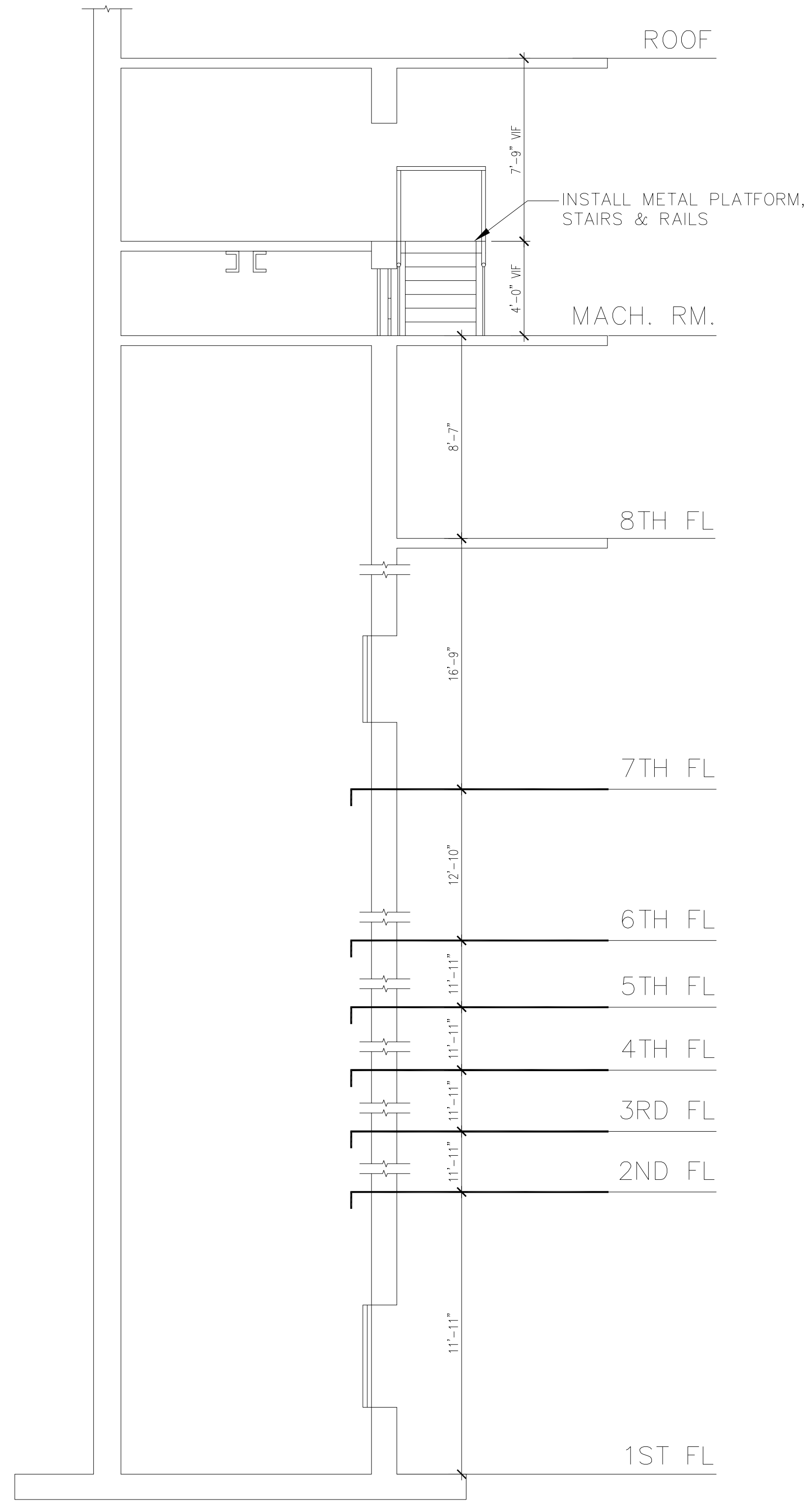


A1 ELEVATOR MACHINE ROOM PLAN - DUMBWAITER - BUILDING 1 - PENTHOUSE  
1/4"=1'-0"

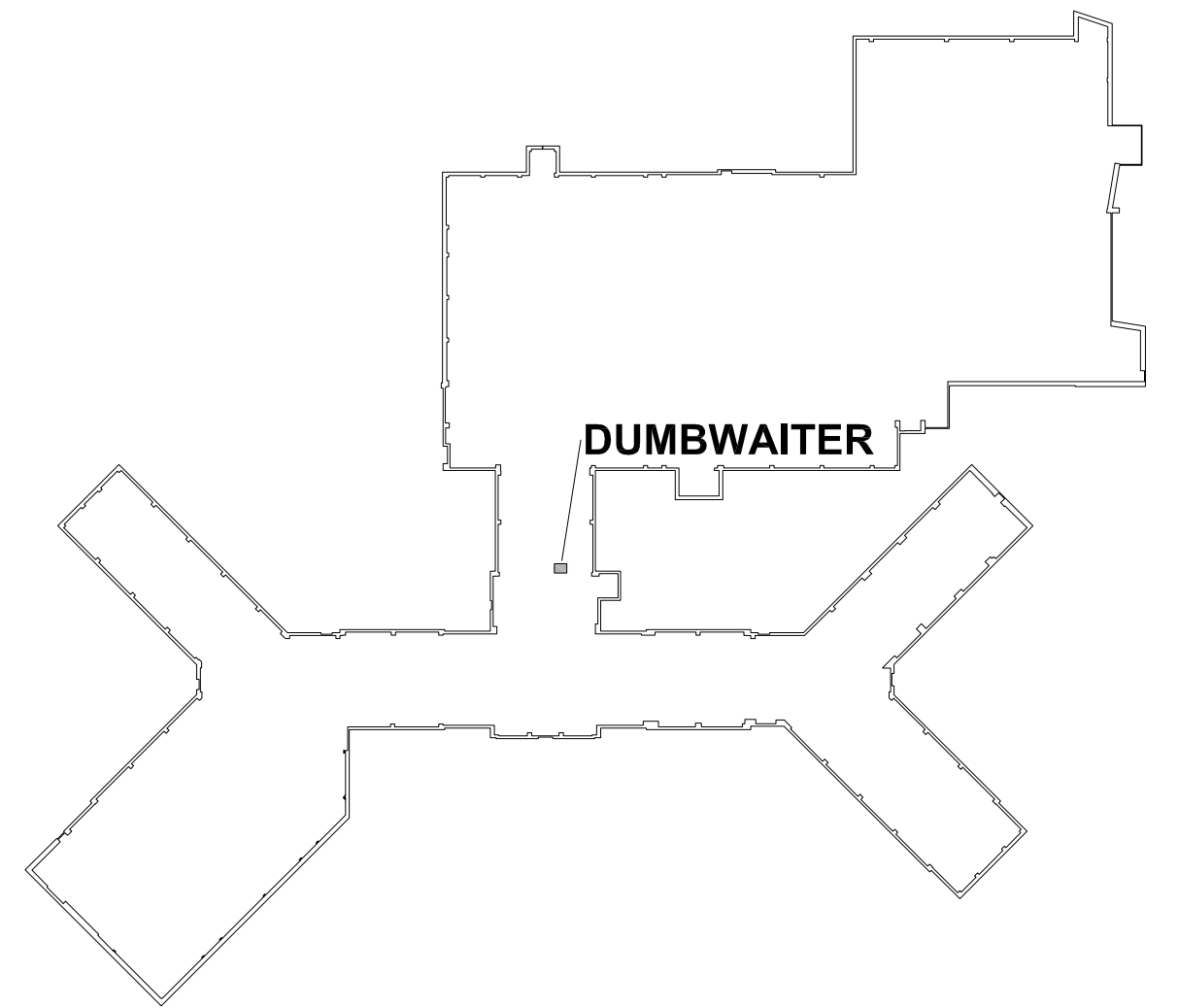


B1 DUMBWAITER STAIR SECTION  
1"=1'-0"

NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.



B2 DUMBWAITER HOISTWAY SECTION - BUILDING 1  
1/4"=1'-0"



KEY PLAN - DUMBWAITER  
BUILDING 1 - (BID OPTION NO.1)  
N.T.S.

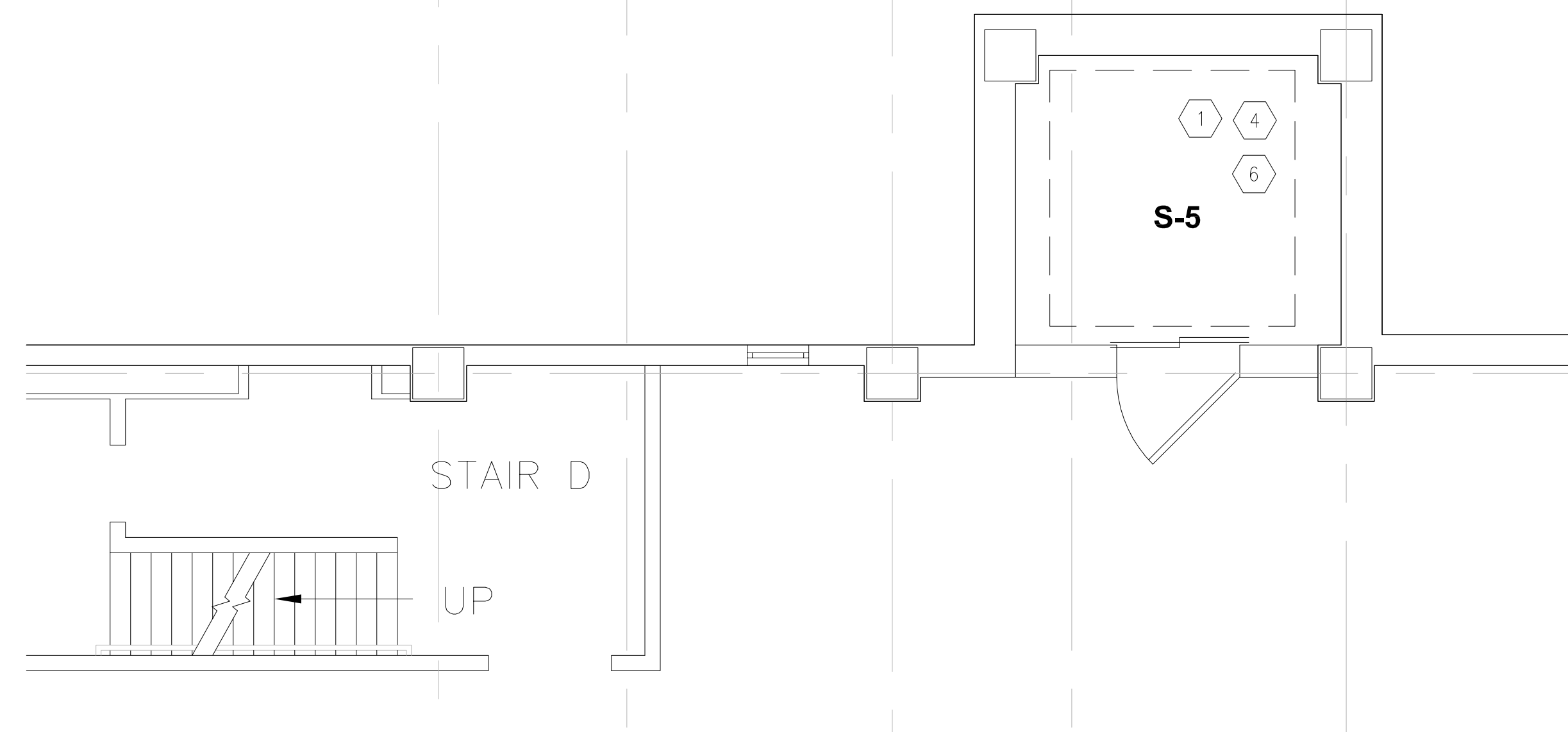


ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

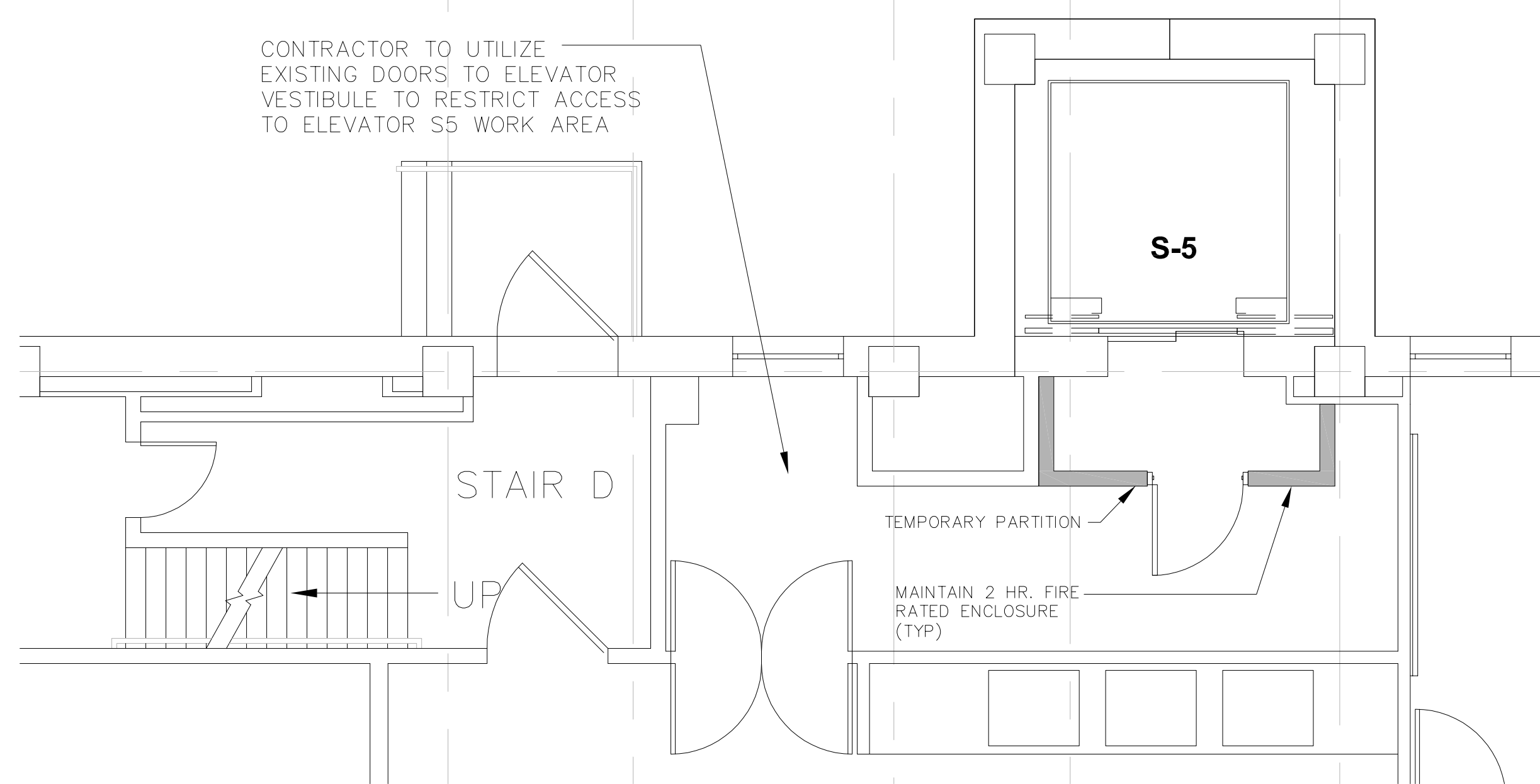
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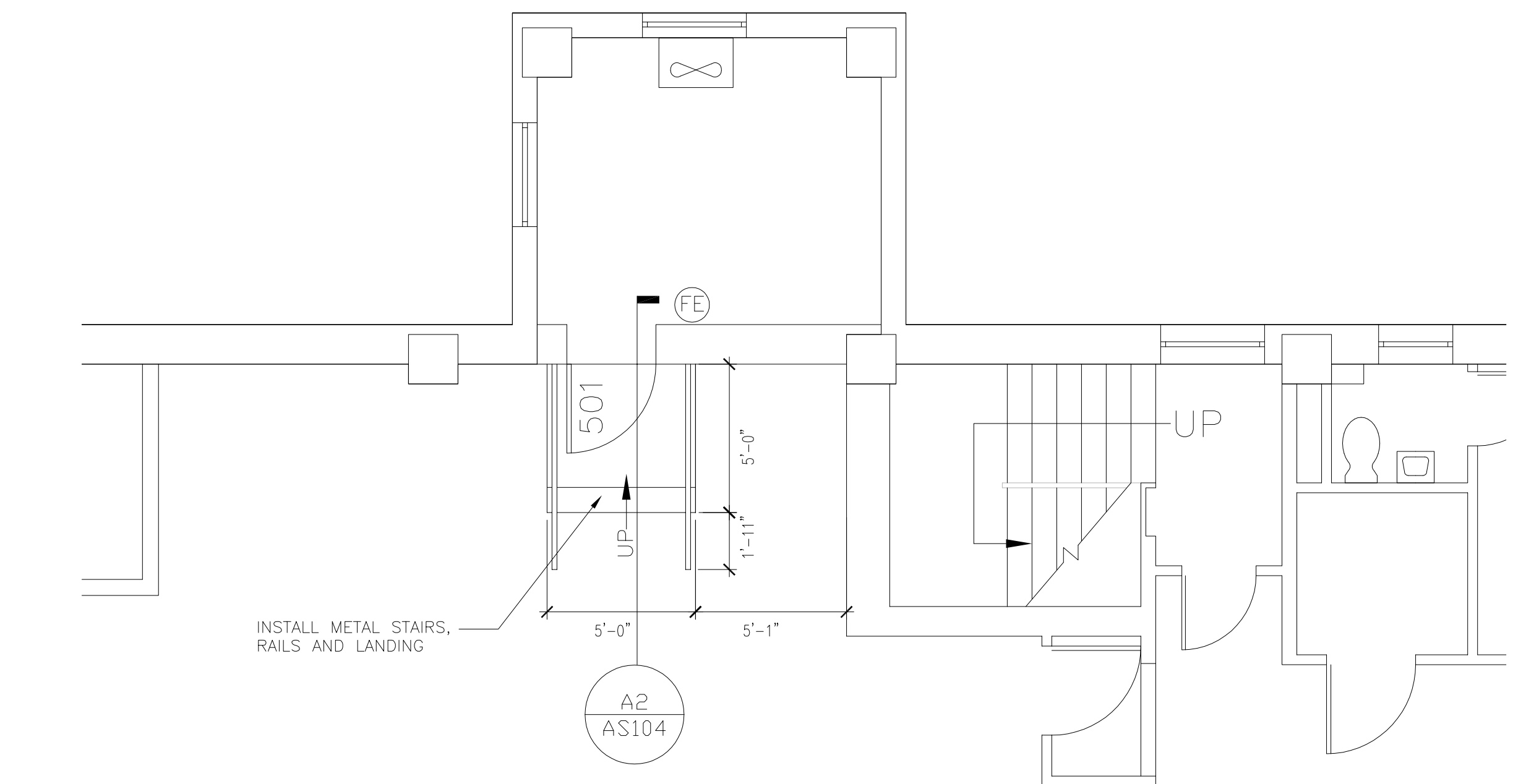
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
three eighths inch = one foot  
one half inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



**A1** DEMOLITION PLAN  
ELEVATOR No. S5 — BUILDING 1 — FIFTH FLOOR  
1/4"=1'-0"



**B1** HOISTWAY PLAN  
ELEVATOR No. S5 — BUILDING 1 — FIRST FLOOR (FLOORS 2,3 & 4 SIM.)  
1/4"=1'-0"



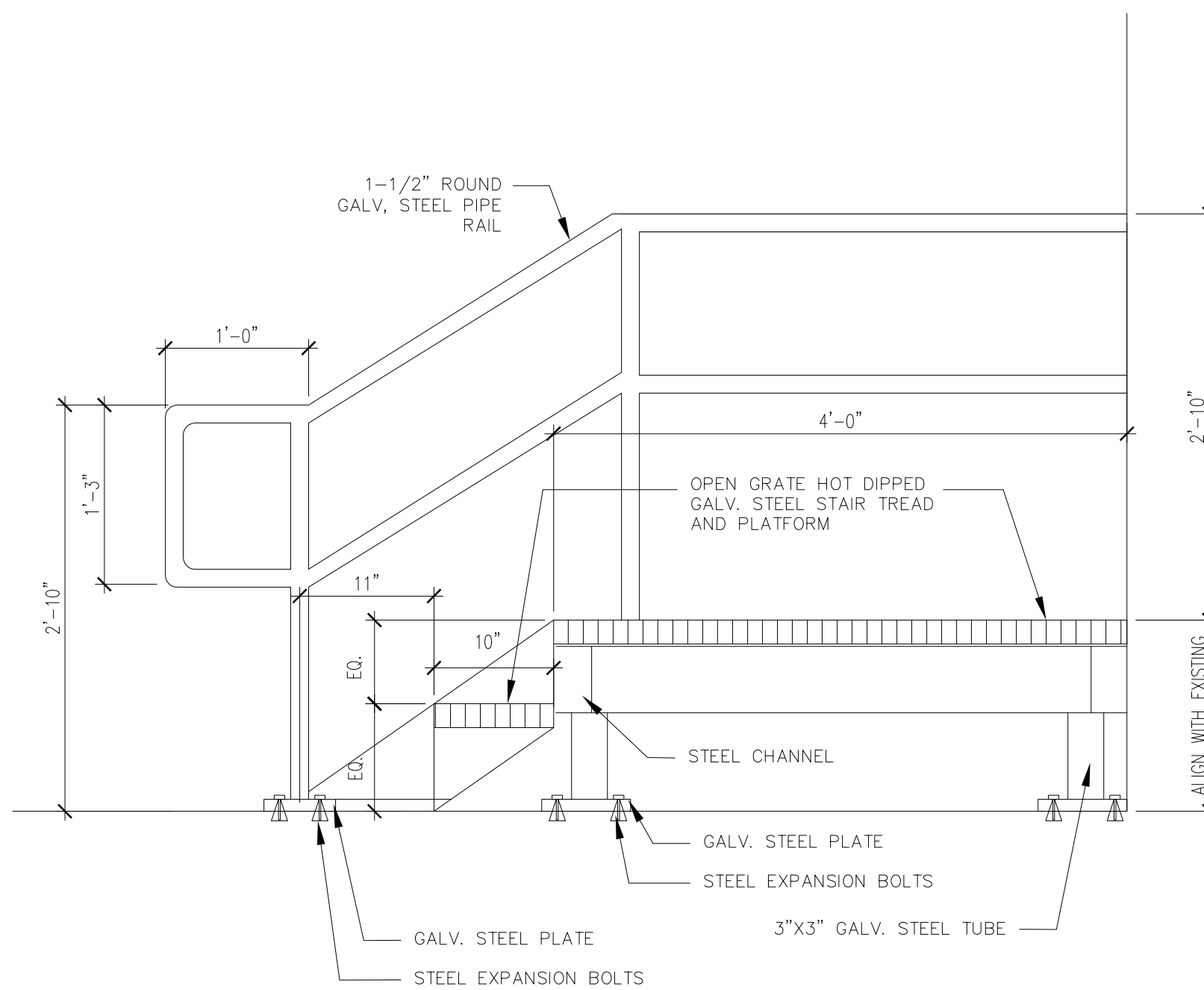
**C1** MACHINE ROOM PLAN  
ELEVATOR No. S5 — BUILDING 1 — FIFTH FLOOR  
1/4"=1'-0"

- DEMOLITION NOTES**
- 1 REMOVE EXISTING FLOOR FINISH
  - 2 REMOVE EXISTING CEILING FINISH
  - 3 REMOVE EXISTING APPLIED WALL PANELS
  - 4 REMOVE EXISTING HAND/BUMPER RAILS
  - 5 REMOVE EXISTING DOOR
  - 6 REMOVE EXISTING LIGHT FIXTURES

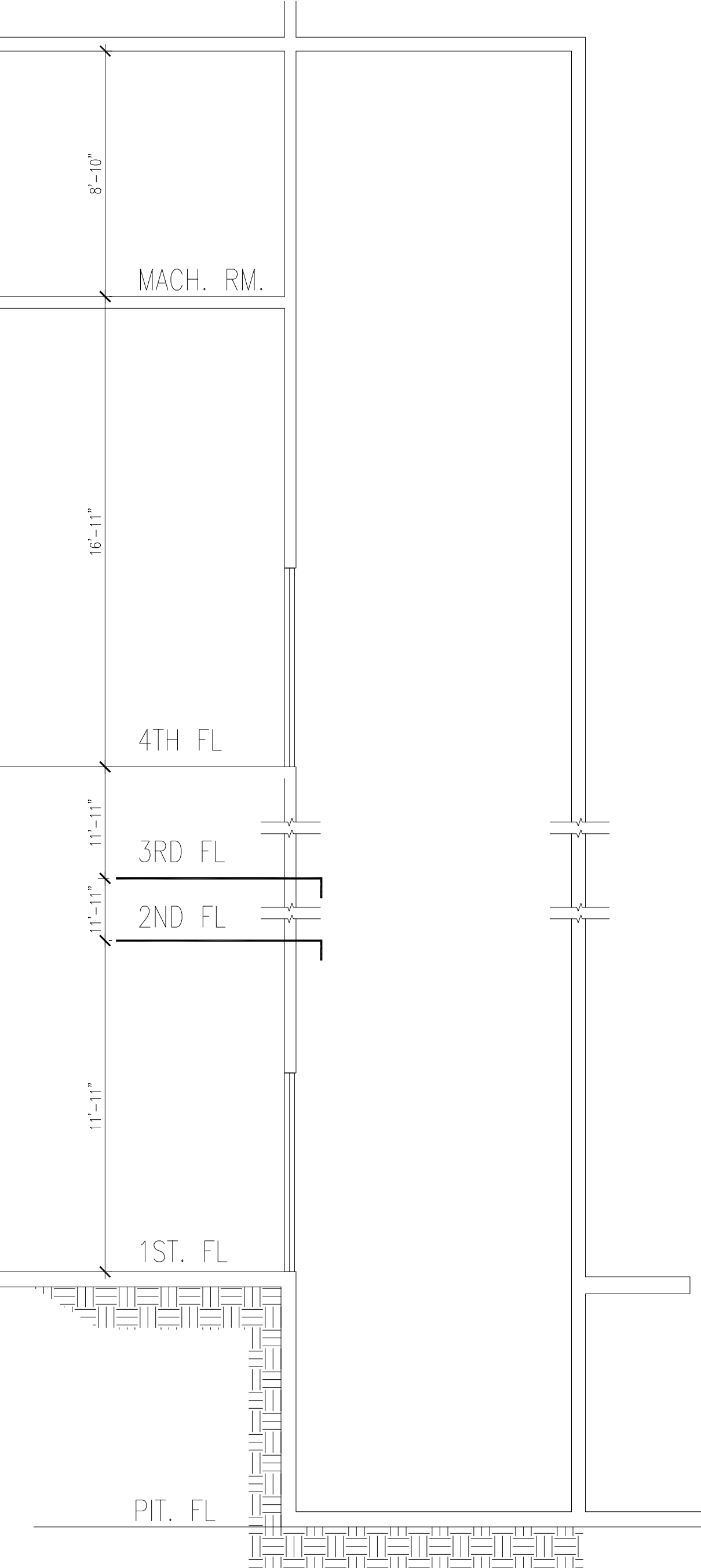
NOTE: PROVIDE TEMPORARY PARTITIONS AT FLOOR LEVELS INDICATED. ACCESS TO THE EXISTING HOISTWAYS WILL BE RESTRICTED TO THE FLOOR LEVELS INDICATED WITH TEMPORARY PARTITIONS ONLY.

ALL ELEVATOR AND DUMBWAITER SHAFTS, BY CODE, ARE REQUIRED TO BE 2 HOUR FIRE RATED. ALL THE TEMPORARY ENCLOSURE WALLS IN FRONT OF THE ELEVATOR DOORS SHOULD BE 2 HOUR RATED WITH A 1-1/2 HOUR B LABEL DOOR AND FRAME WITH AUTO CLOSER AND OTHER REQUIRED HARDWARE.

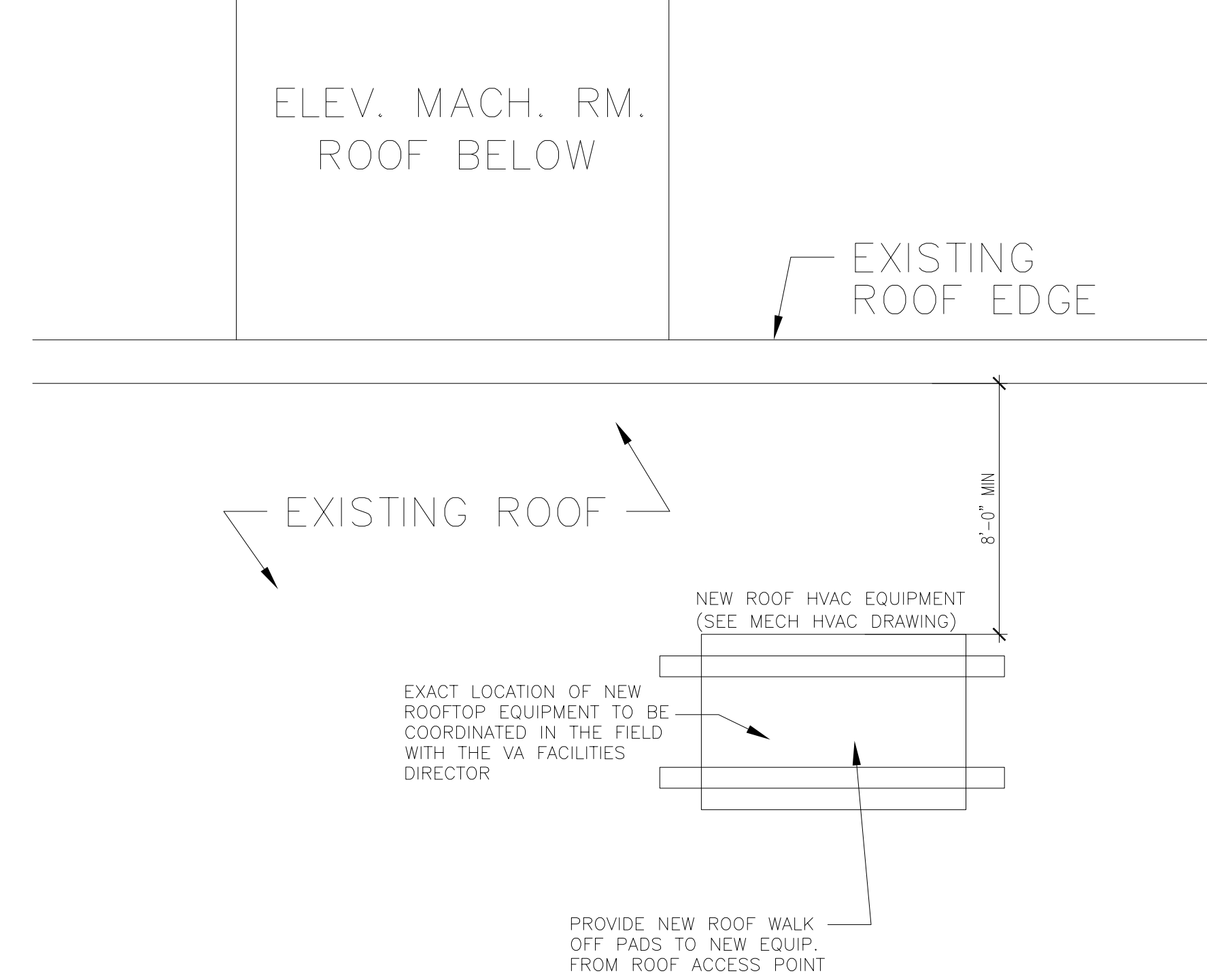
NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.



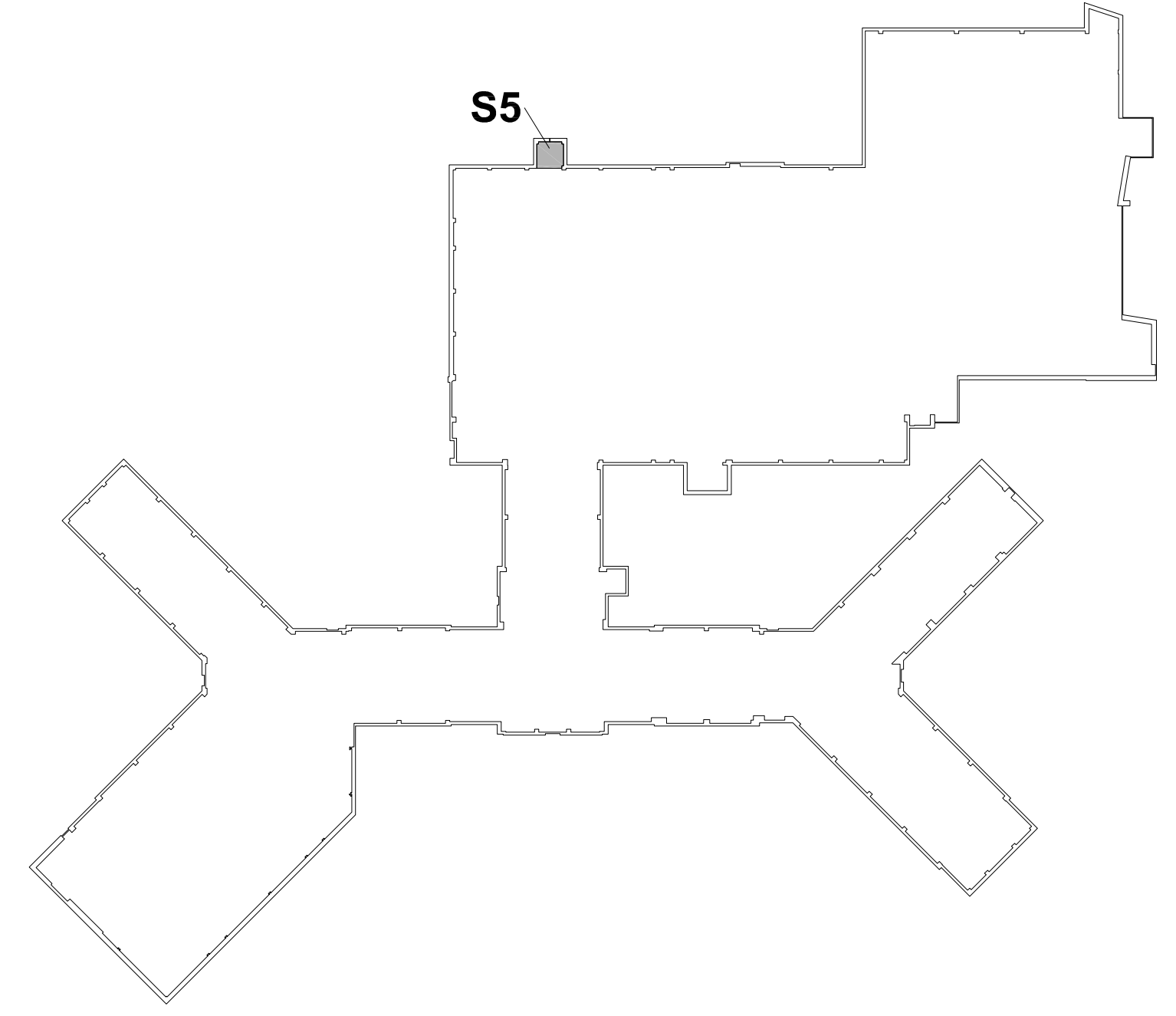
**A2** STAIR SECTION  
1"=1'-0"



**B2** HOISTWAY SECTION — ELEVATOR No. S5  
1/4"=1'-0"








**A3** PARTIAL ROOF — ELEVATOR No. S5  
BUILDING 1 — SEVENTH FLOOR  
1"=1'-0"



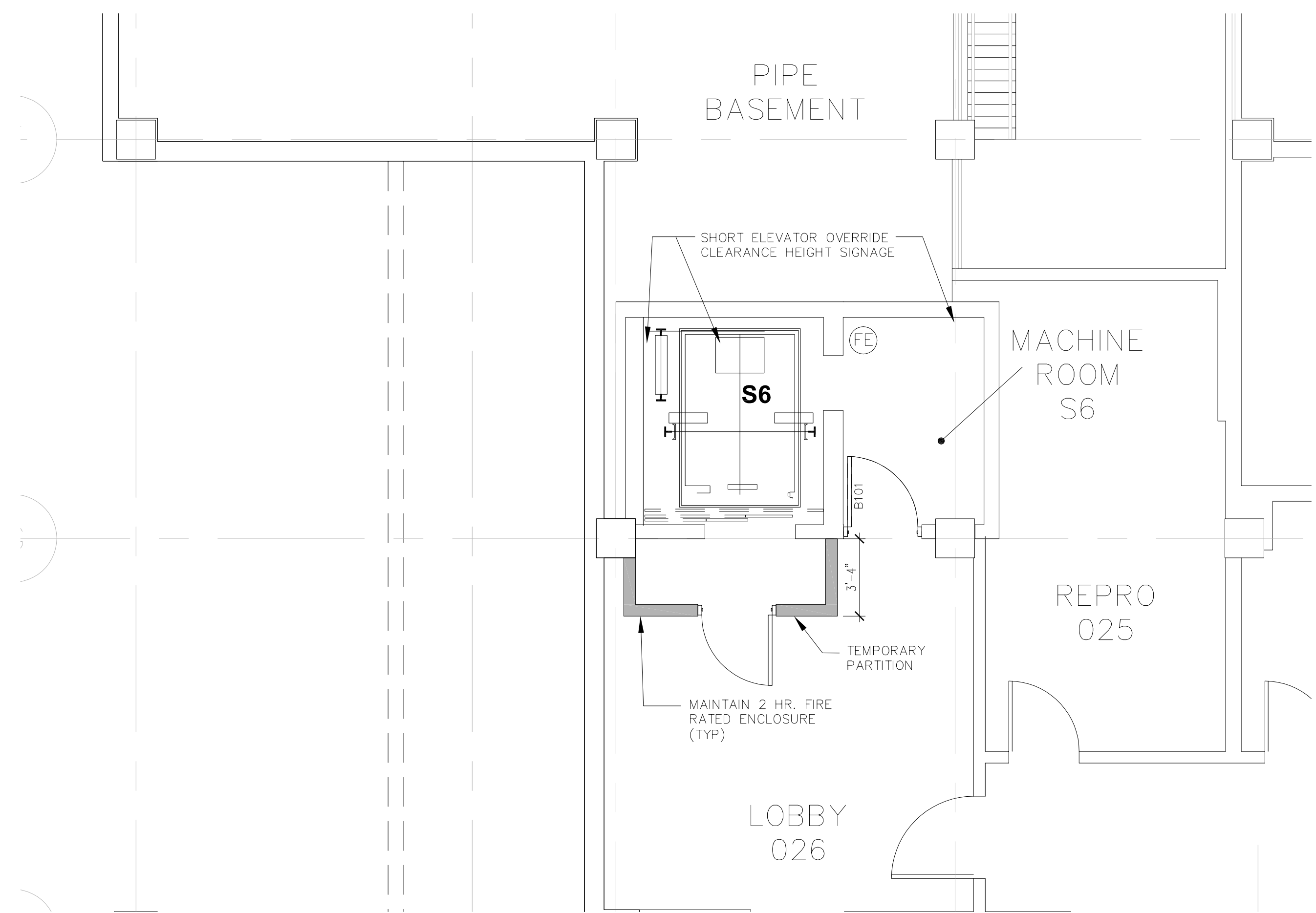
KEY PLAN — ELEVATOR S5, BUILDING 1  
(BID OPTION No.2)  
NTS



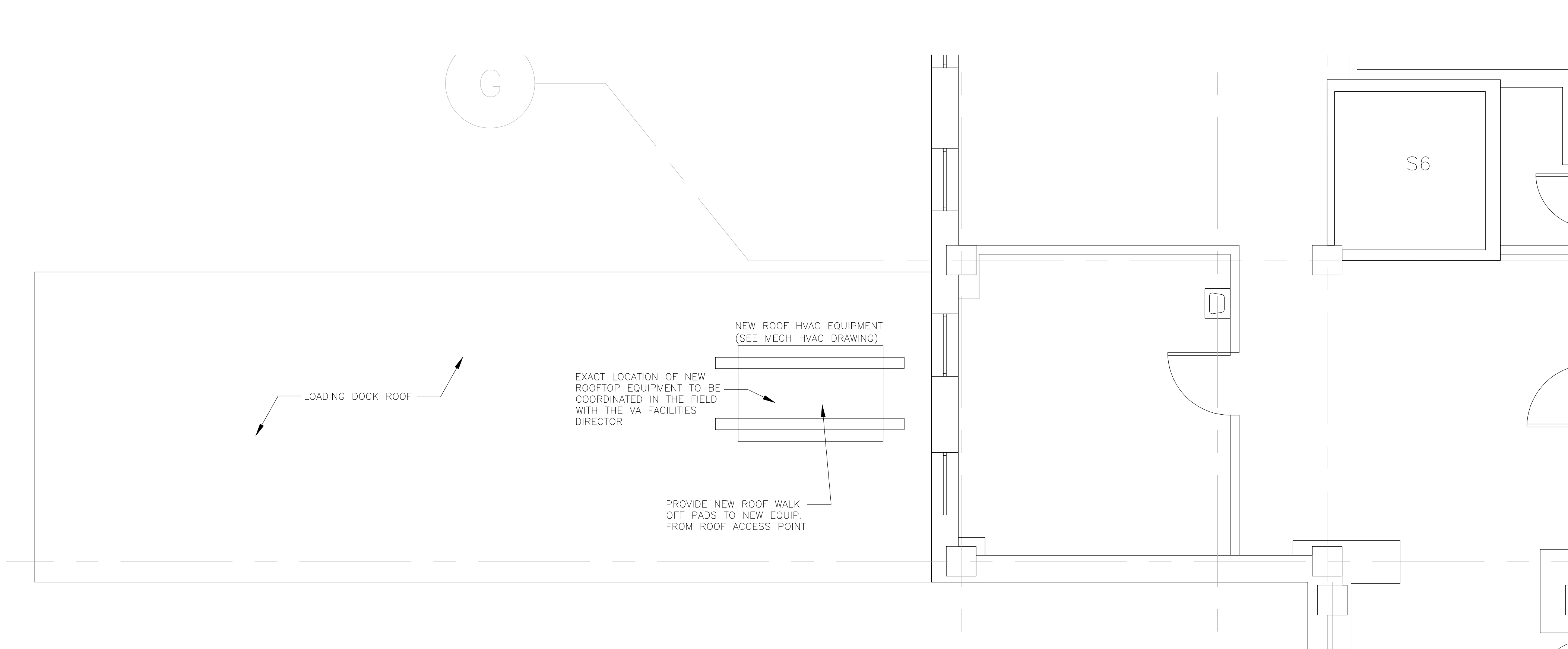
ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b>		<b>Project Title</b>		<b>Project Number</b>		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>
<b>Structural Engineer:</b>		<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		<b>PLANS/HOISTWAY SECTION</b>		
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Elevator Upgrades and Modernization		
								650-10-106		
Date		Date		Date		Date		Building Number 1		
Revisions		Revisions		Revisions		Revisions		Drawing Number <b>AS104</b>		
Date		Date		Date		Date		Dwg. 008 of 030		
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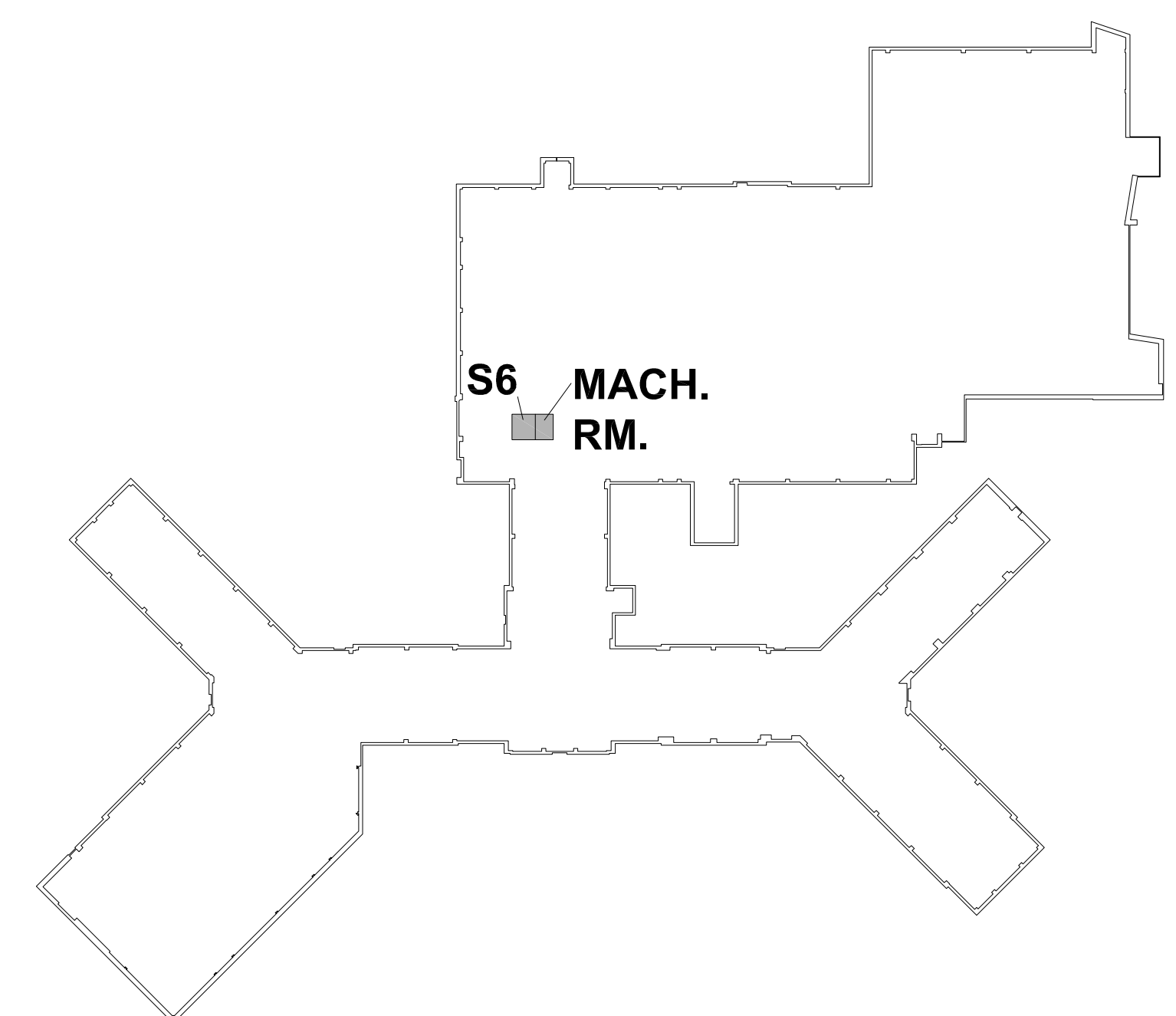




HOISTWAY AND MACHINE ROOM PLAN ELEVATOR No. S6  
BUILDING 1 - BASEMENT




LOADING DOCK ROOF PLAN  
ELEVATOR No. S6 - BUILDING 1 - SECOND FLOOR  
1/4"=1'-0"



KEY PLAN – ELEVATOR S6, BUILDING 1  
(BID OPTION No.3)

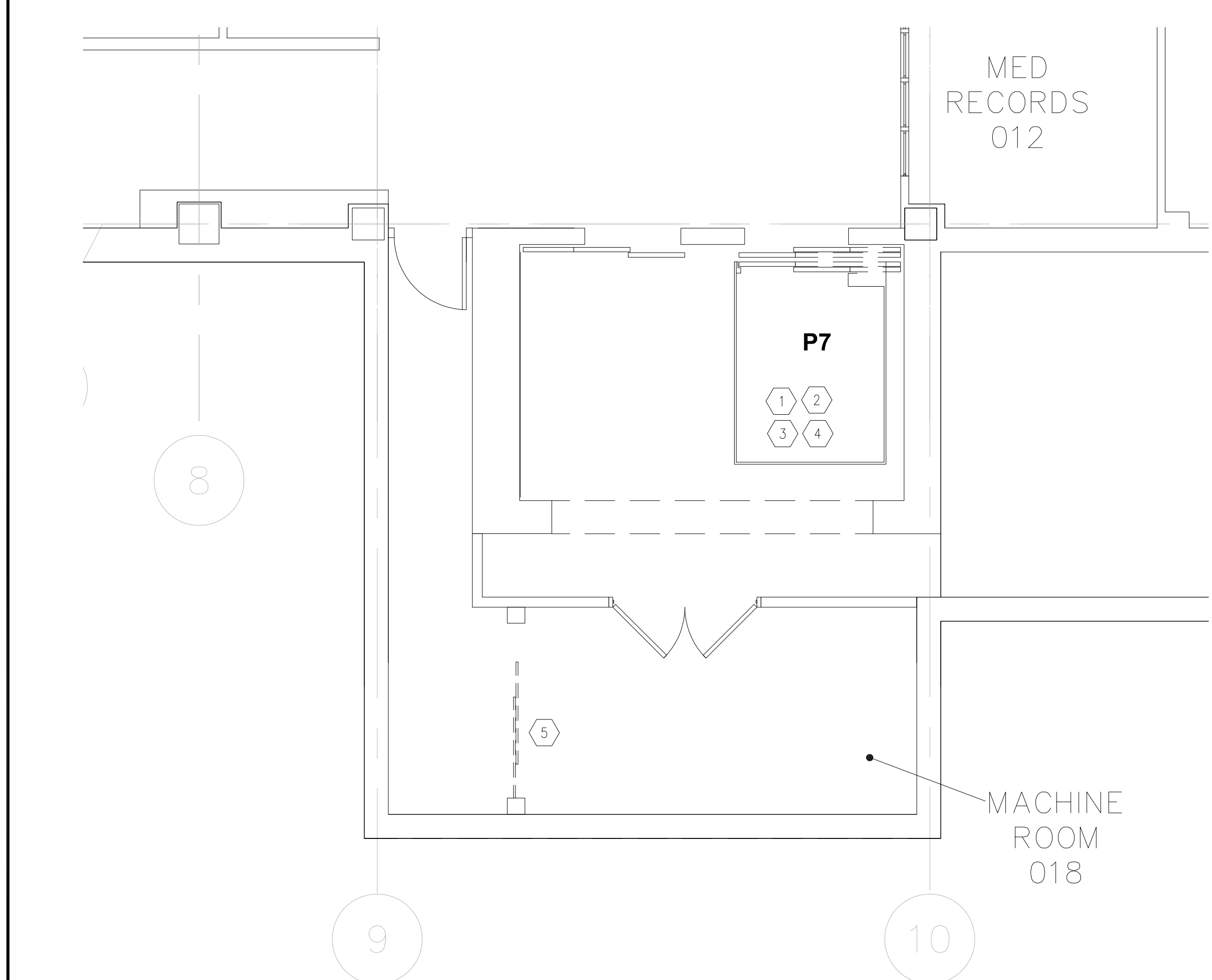


# ISSUE FOR CONSTRUCTION FULLY SPRINKLERED

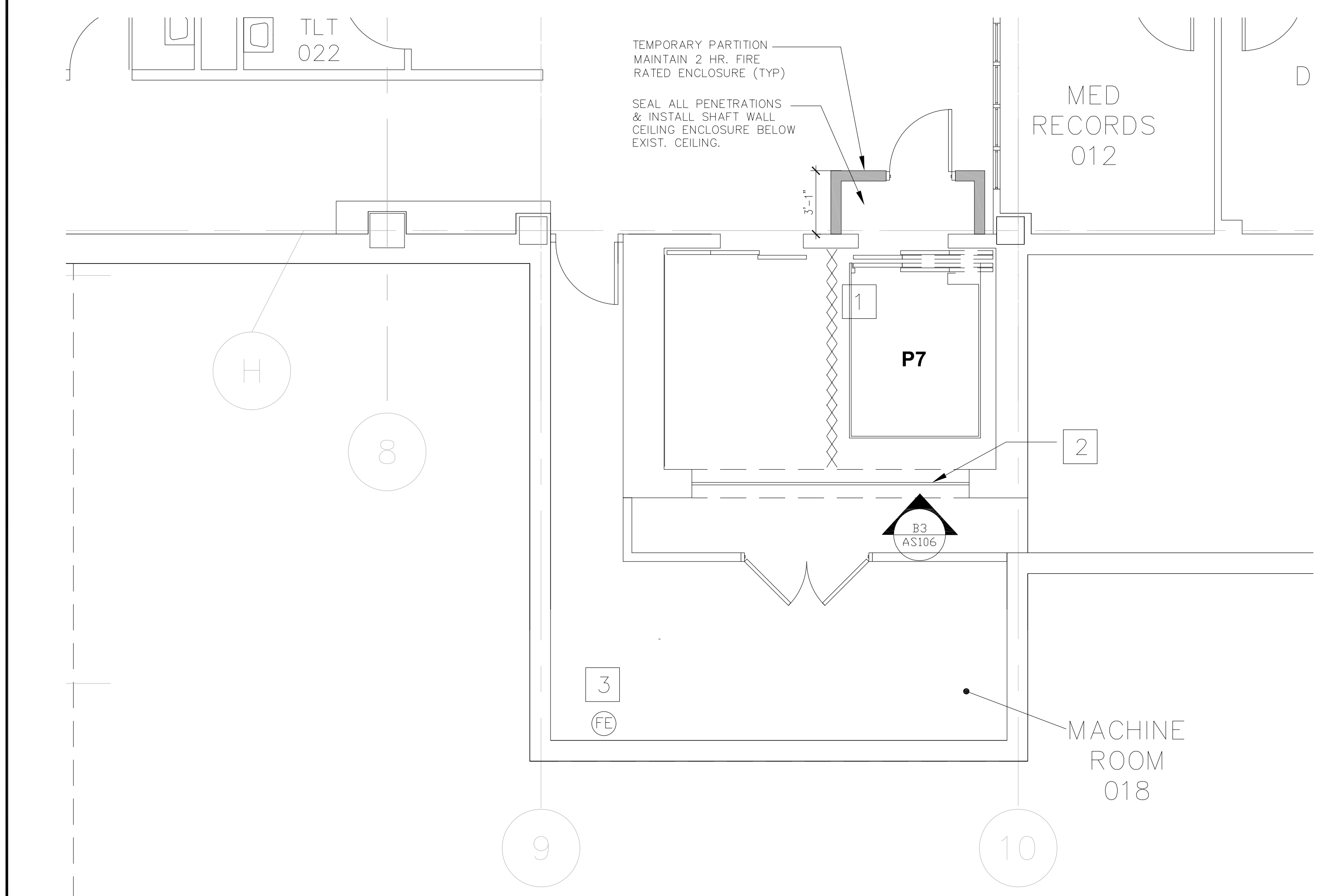
		CONSULTANTS:				ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
		Structural Engineer:		MEP/FP Engineers:		Environmental Engineers		PLANS/HOISTWAY SECTION		Elevator Upgrades and Modernization		650-10-106			
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Elevator No. S6 (Bid Option No. 3)		Building Number 1		Drawing Number <b>AS105</b>	
Revisions:		Date						HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700		Approved Project Director		Location VAMC PROVIDENCE, RI 02980		Dwg. 009 of 030	
												Date 03/23/12		Checked HL	
												Drawn CLH		 Department of Veterans Affairs	



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



A1 DEMOLITION PLAN — ELEVATOR No. P7 — BUILDING 1 — BASEMENT  
1/4"=1'-0"



B1 HOISTWAY PLAN — ELEVATOR No. P7 — BUILDING 1 — BASEMENT  
1/4"=1'-0"

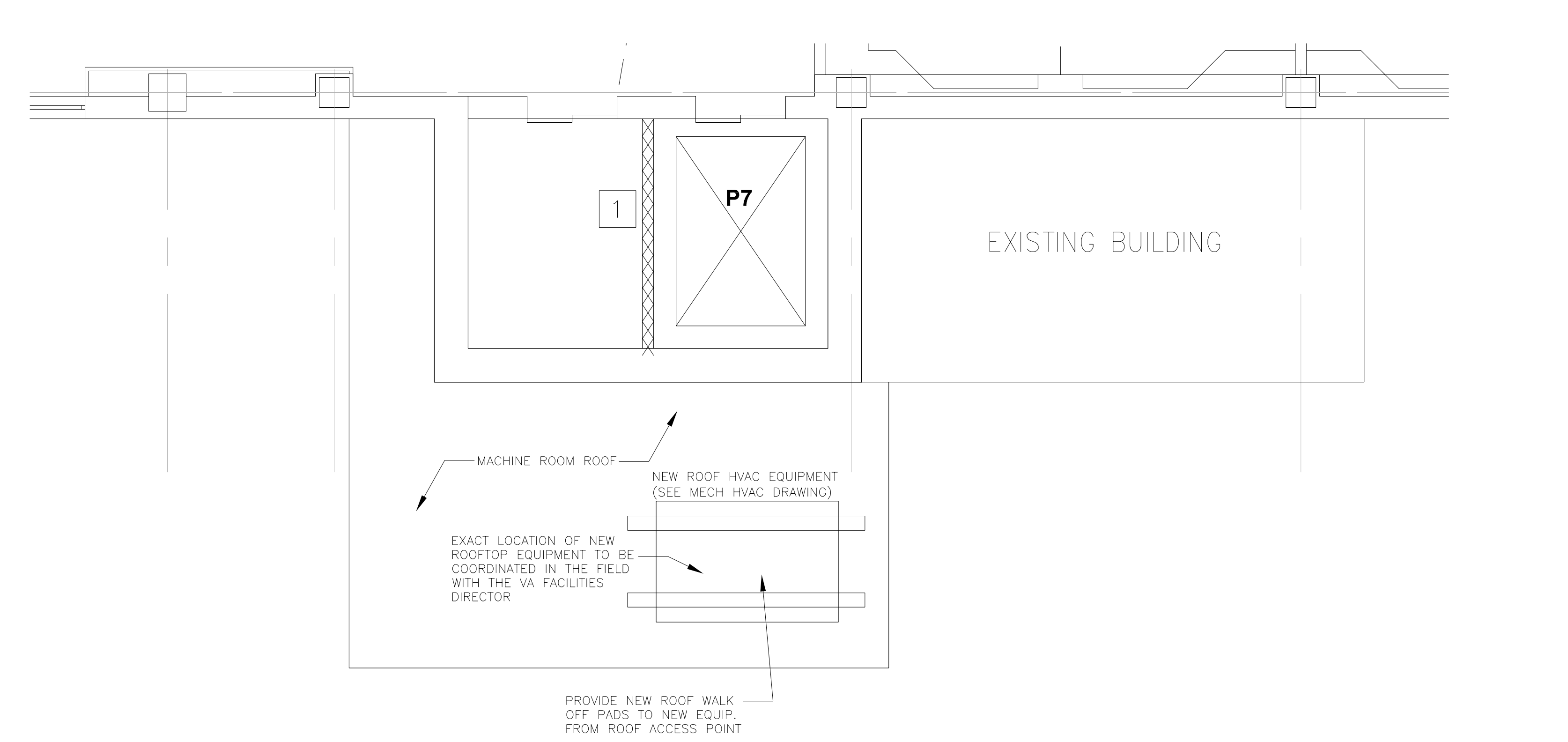
- DEMOLITION NOTES**
- 1 REMOVE EXISTING FLOOR FINISH
  - 2 REMOVE EXISTING CEILING FINISH
  - 3 REMOVE EXISTING APPLIED WALL PANELS
  - 4 REMOVE EXISTING HAND/BUMPER RAILS
  - 5 REMOVE EXISTING DOOR
  - 6 REMOVE EXISTING LIGHT FIXTURES

NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.

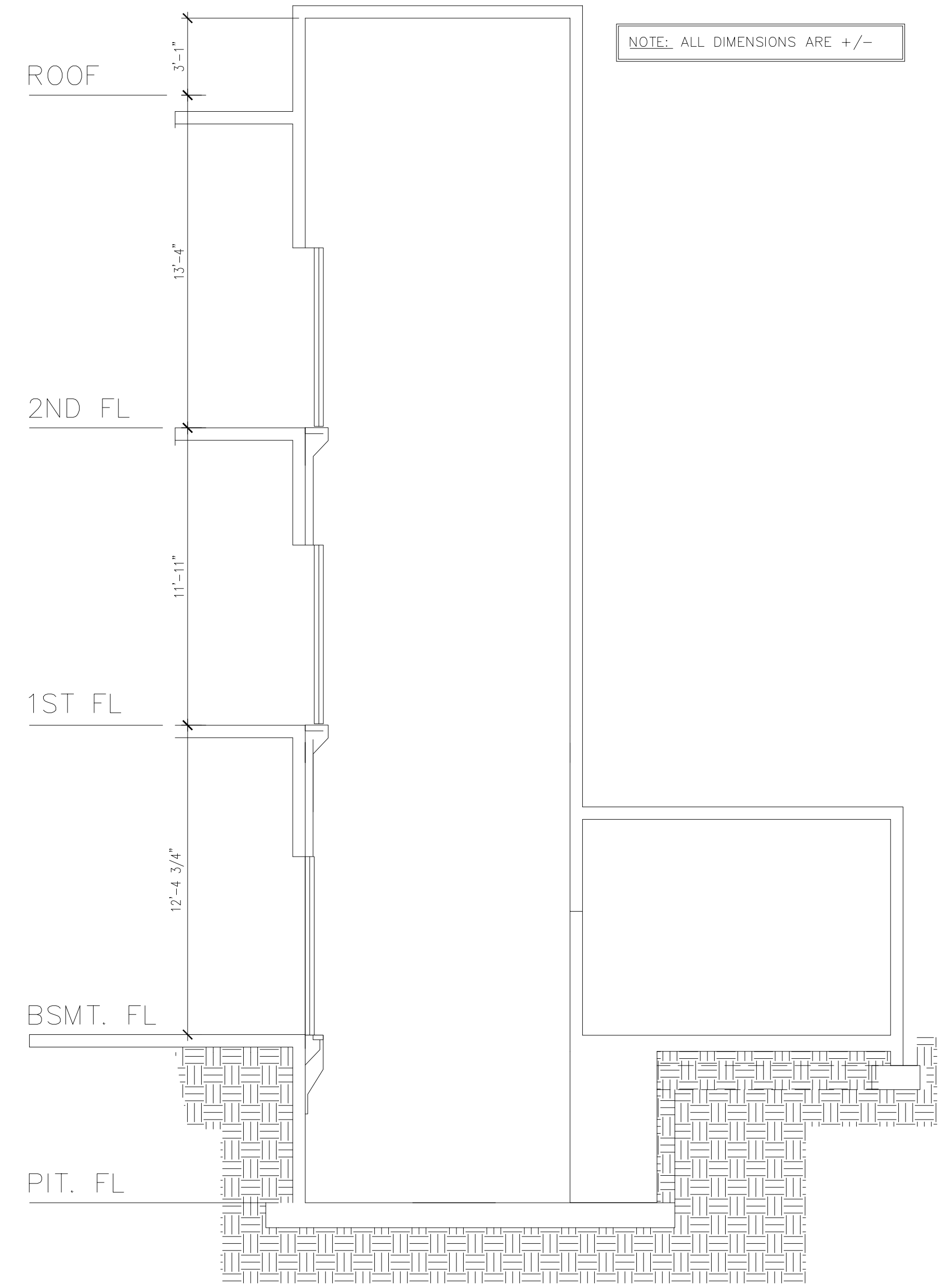
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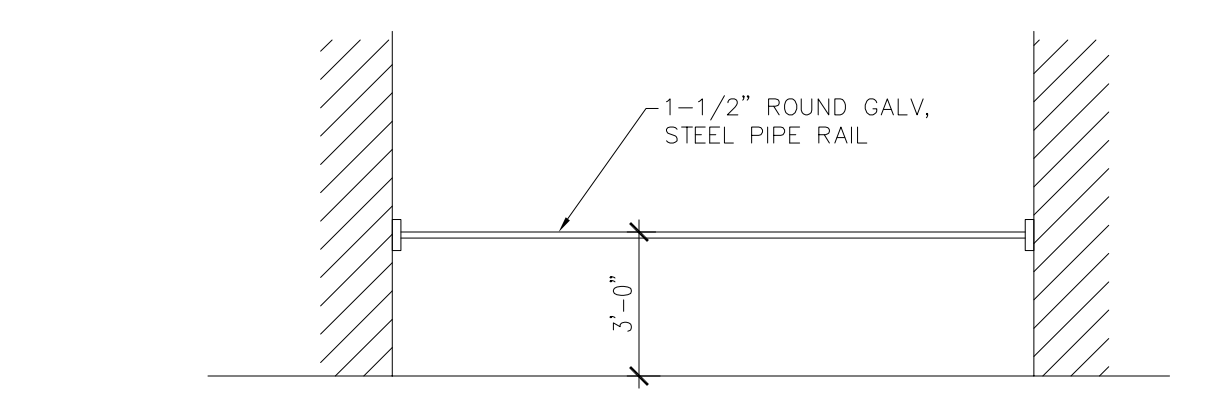
- ARCHITECTURAL KEY NOTES**
- 1 PROVIDE WIRE MESH SCREENING BETWEEN P-7 AND EMPTY HOISTWAY
  - 2 PROVIDE STEEL GUARD RAIL SEE ELEVATION B3/AS106
  - 3 PROVIDE WALL MOUNTED FIRE EXTINGUISHER



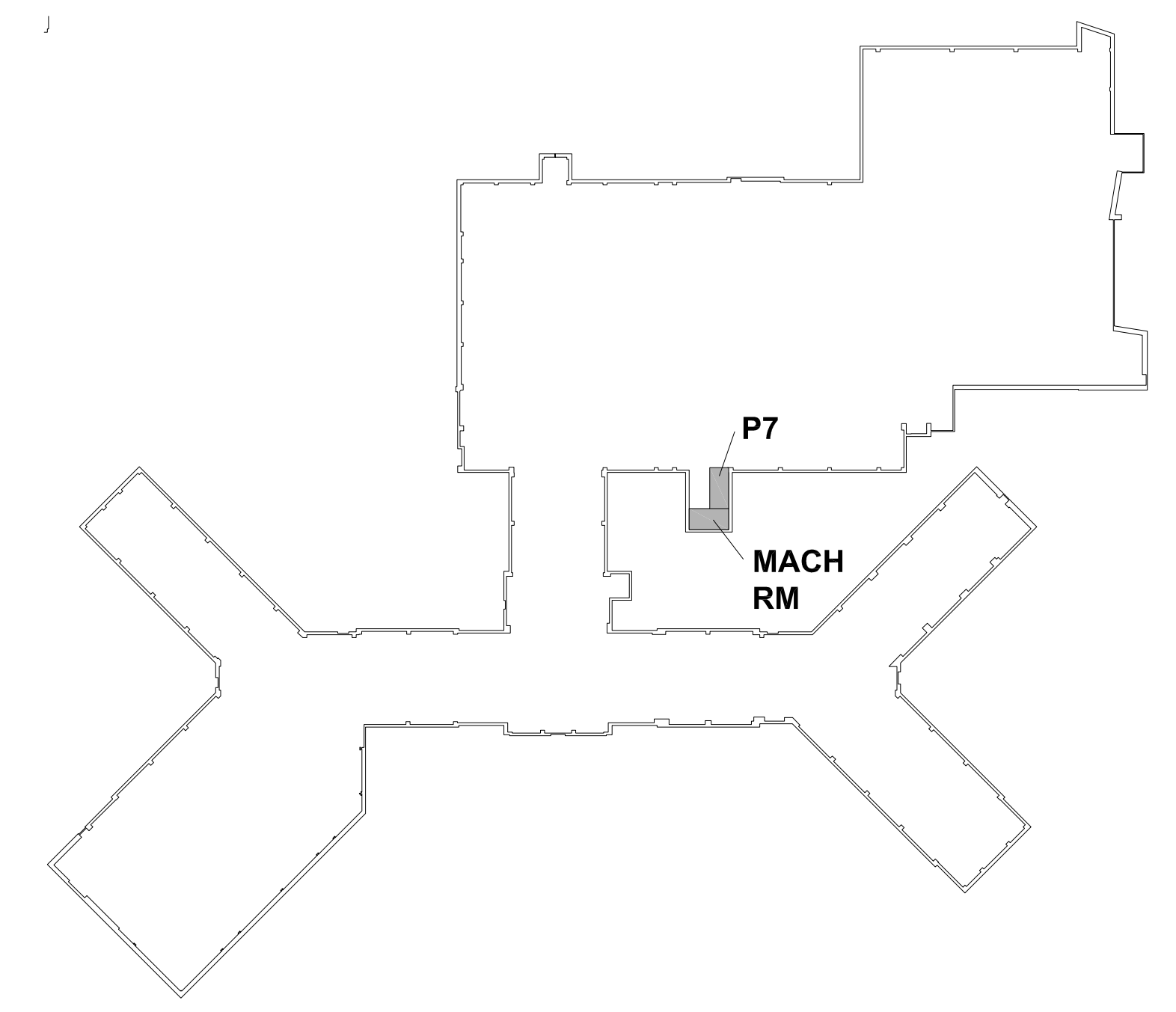
A2 PARTIAL MACHINE ROOM ROOF PLAN — ELEVATOR No. P7 — BUILDING 1 — FIRST FLOOR  
1/4"=1'-0"



B2 HOISTWAY SECTION — ELEVATOR No. P7 BUILDING 1  
1/4"=1'-0"



B3 STEEL GUARD RAIL ELEVATION  
1/4"=1'-0"



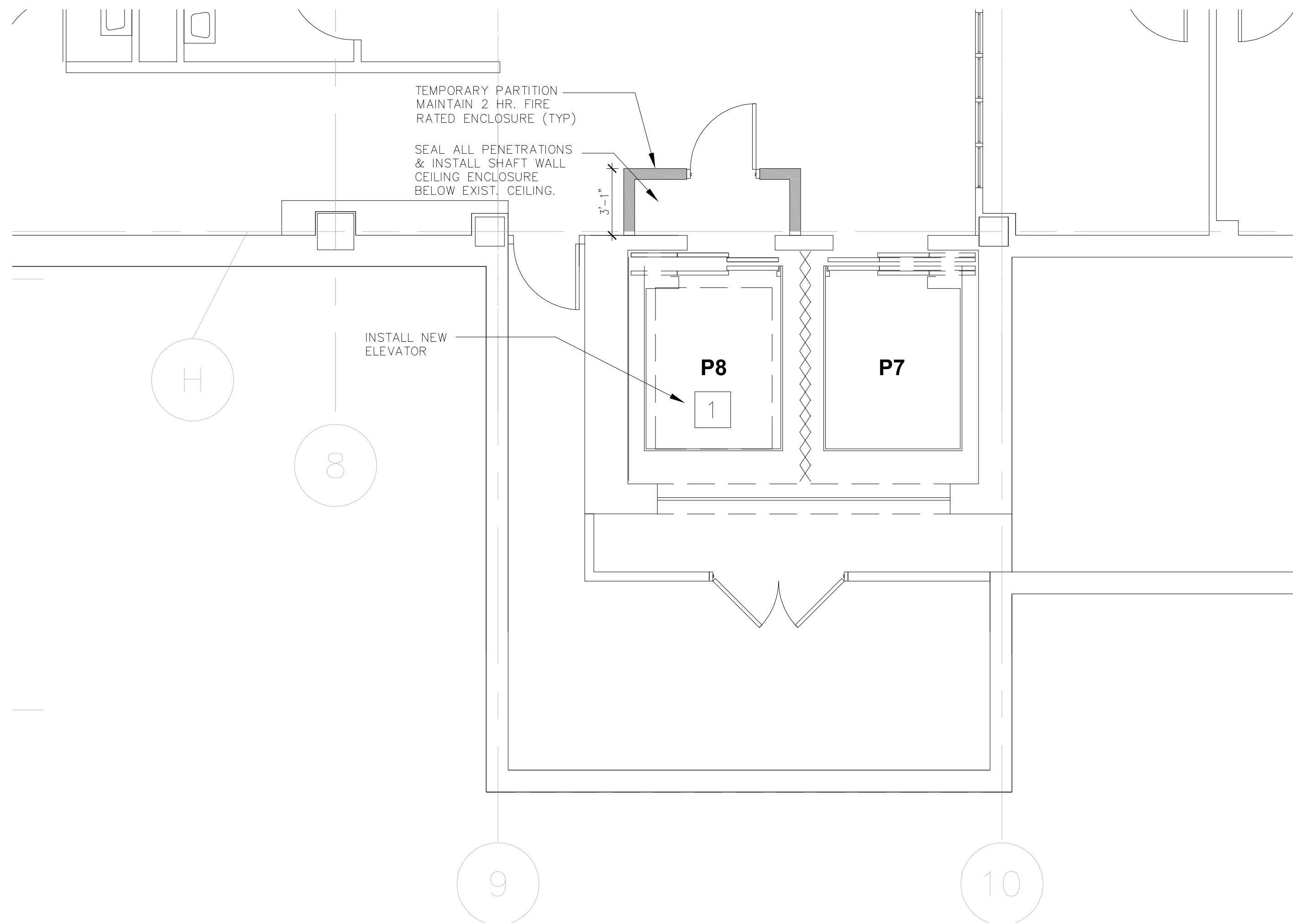
KEY PLAN — ELEVATOR P7, BUILDING 1 (BID OPTION No.4)  
N.T.S.

ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

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three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



NOTE: SEE PROJECT SPECIFICATIONS, ELEVATOR CAB INTERIOR ELEVATIONS AND CAB FINISH SCHEDULE AND MECH/ELEC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REQUIRED PROJECT SCOPE-OF-WORK.

NOTE: ELEVATOR P7 INDICATED ON DRAWING FOR REFERENCE ONLY. SEE INDIVIDUAL BID OPTIONS FOR THEIR SCOPE-OF-WORK.

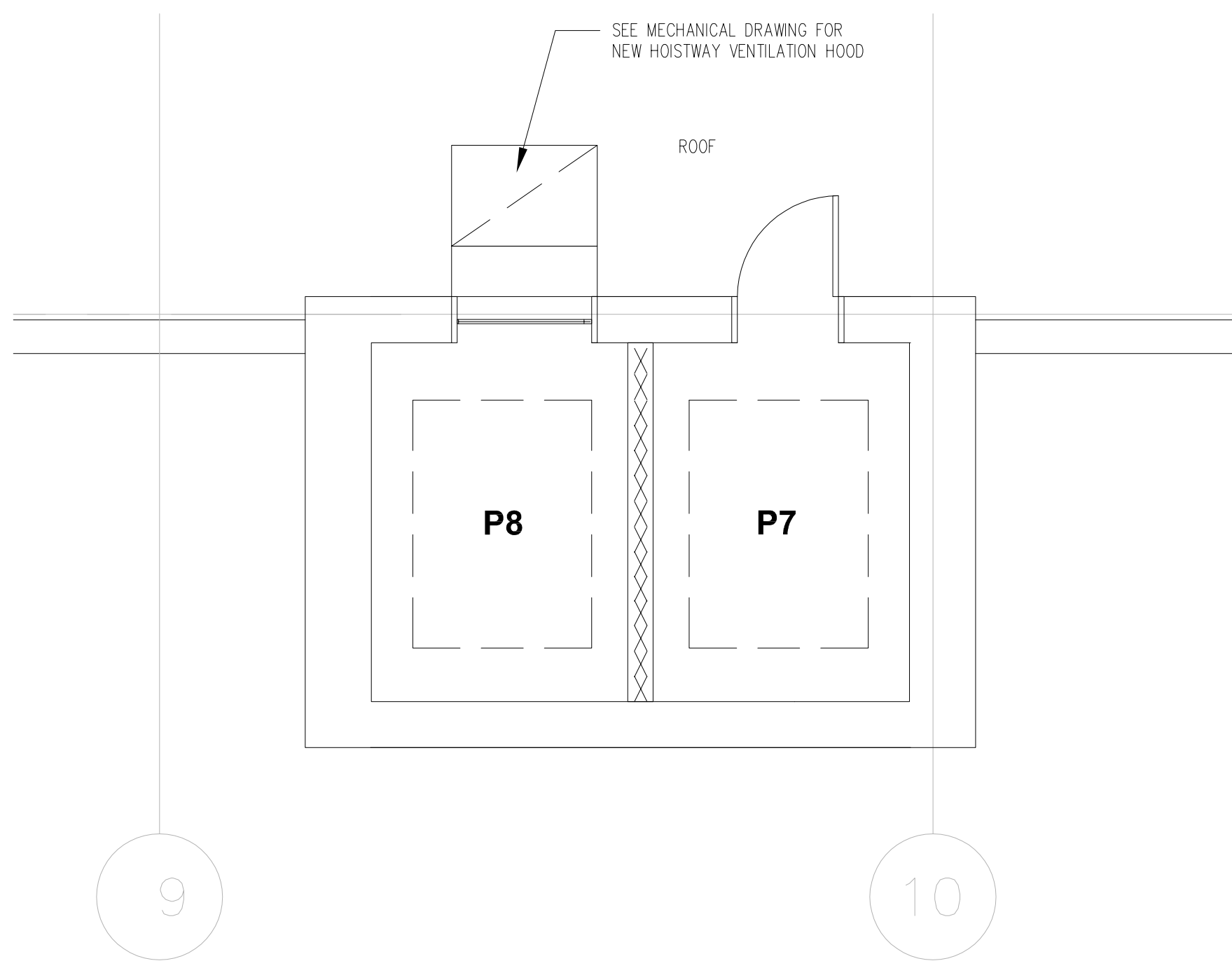
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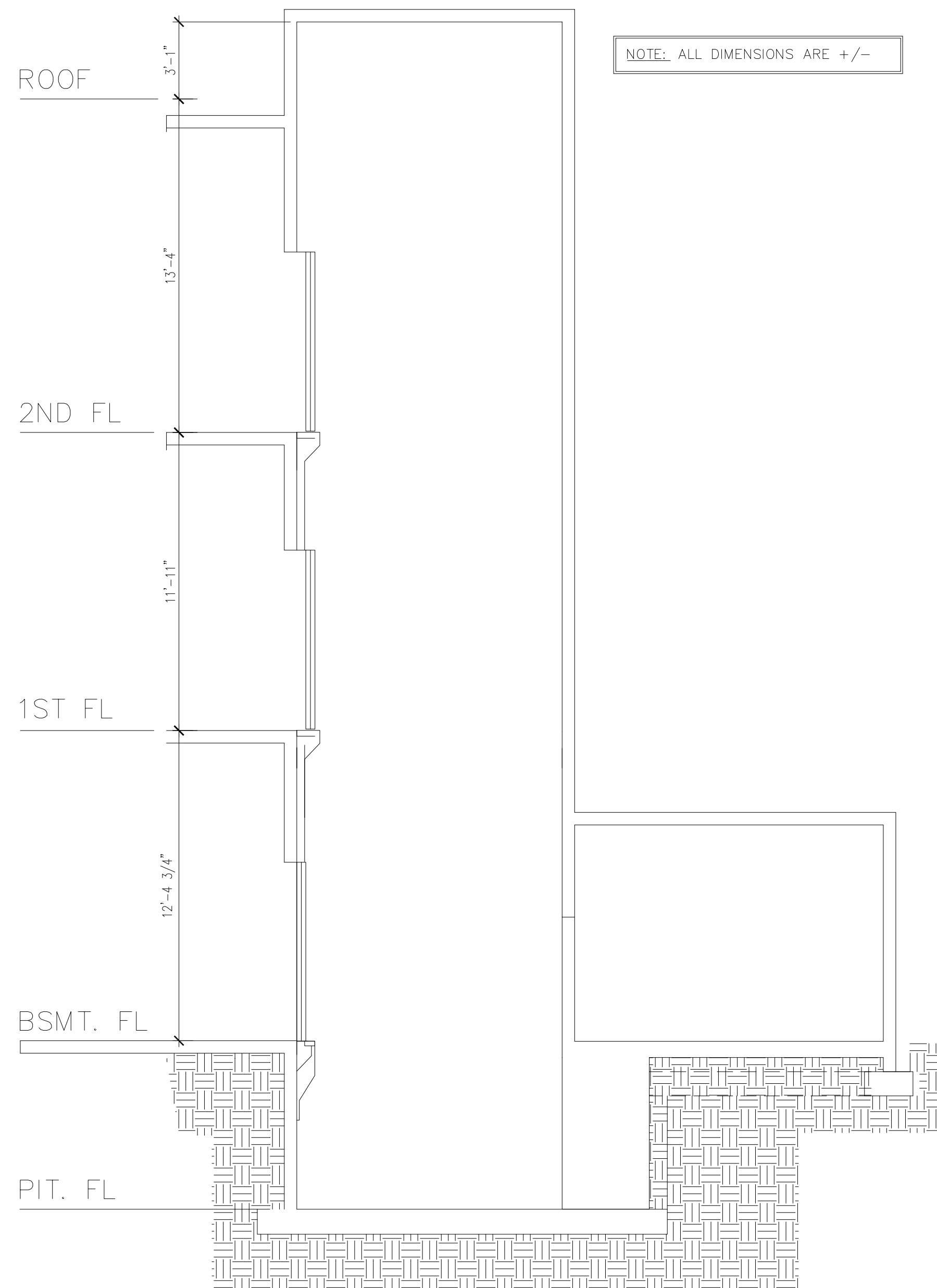
ARCHITECTURAL KEY NOTES

1 REMOVE ALL CONCRETE WALL TIES AT HOISTWAY

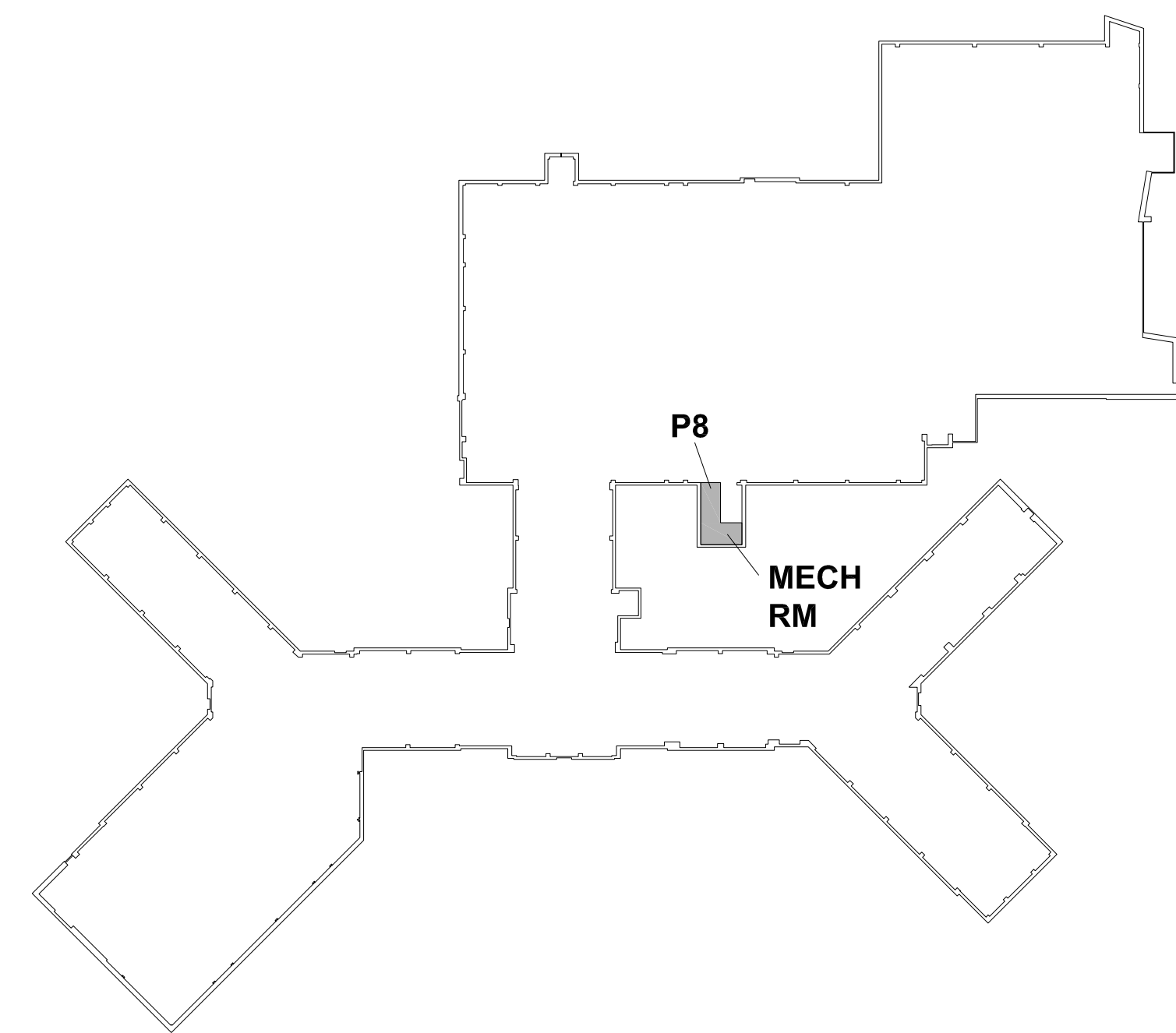
A1 HOISTWAY PLAN - ELEVATOR No. P8 - BUILDING 1 - BASEMENT LEVEL  
1/4"=1'-0"



B1 HOISTWAY PLAN - ELEVATOR No. P8  
BUILDING 1 - PENTHOUSE  
1/4"=1'-0"



B2 HOISTWAY SECTION - ELEVATOR No. P8  
BUILDING 1  
1/4"=1'-0"



KEY PLAN - ELEVATOR P8, BUILDING 1  
(BID OPTION NO.5)  
N.T.S.

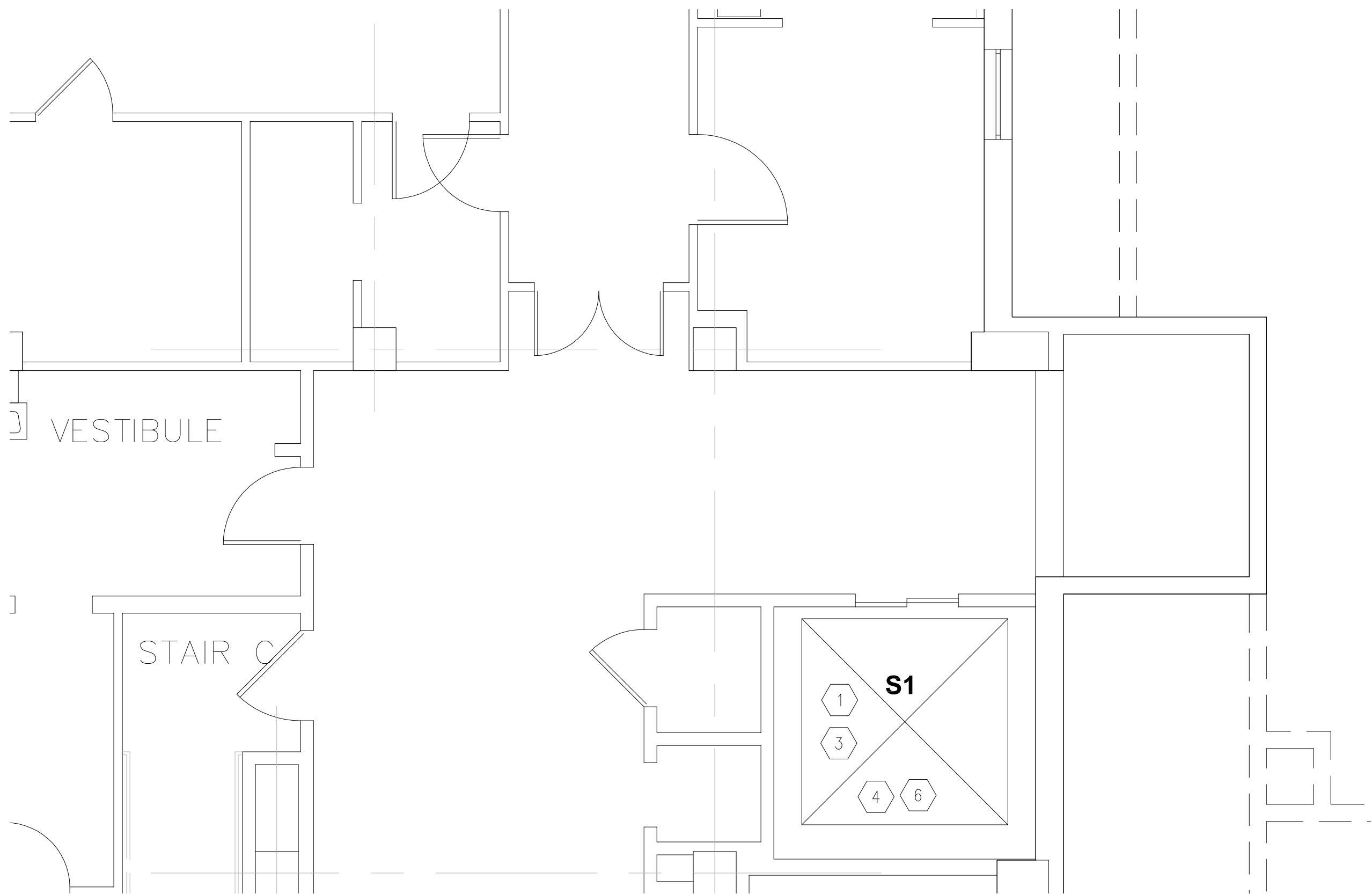


ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

		CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management <div>Department of Veterans Affairs</div>	
		Structural Engineer:		MEP/FP Engineers:		PLANS		Elevator Upgrades and Modernization		650-10-106			
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139 <div>Lim Consultants, Inc.</div>		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738 <div>TCI THOMPSON CONSULTANTS, INC.</div>		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701 <div>CDW</div>		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210 <div>VDA</div>		Building Number 1			
		Environmental Engineers		Vertical Transportation Specialist		Approved Project Director		Location VAMC PROVIDENCE, RI 02980		Drawing Number AS107			
Revisions:		Date				HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700 <div>HDR</div>		Date 03/23/12		Checked		Drawn	
										Dwg. 011 of 030			



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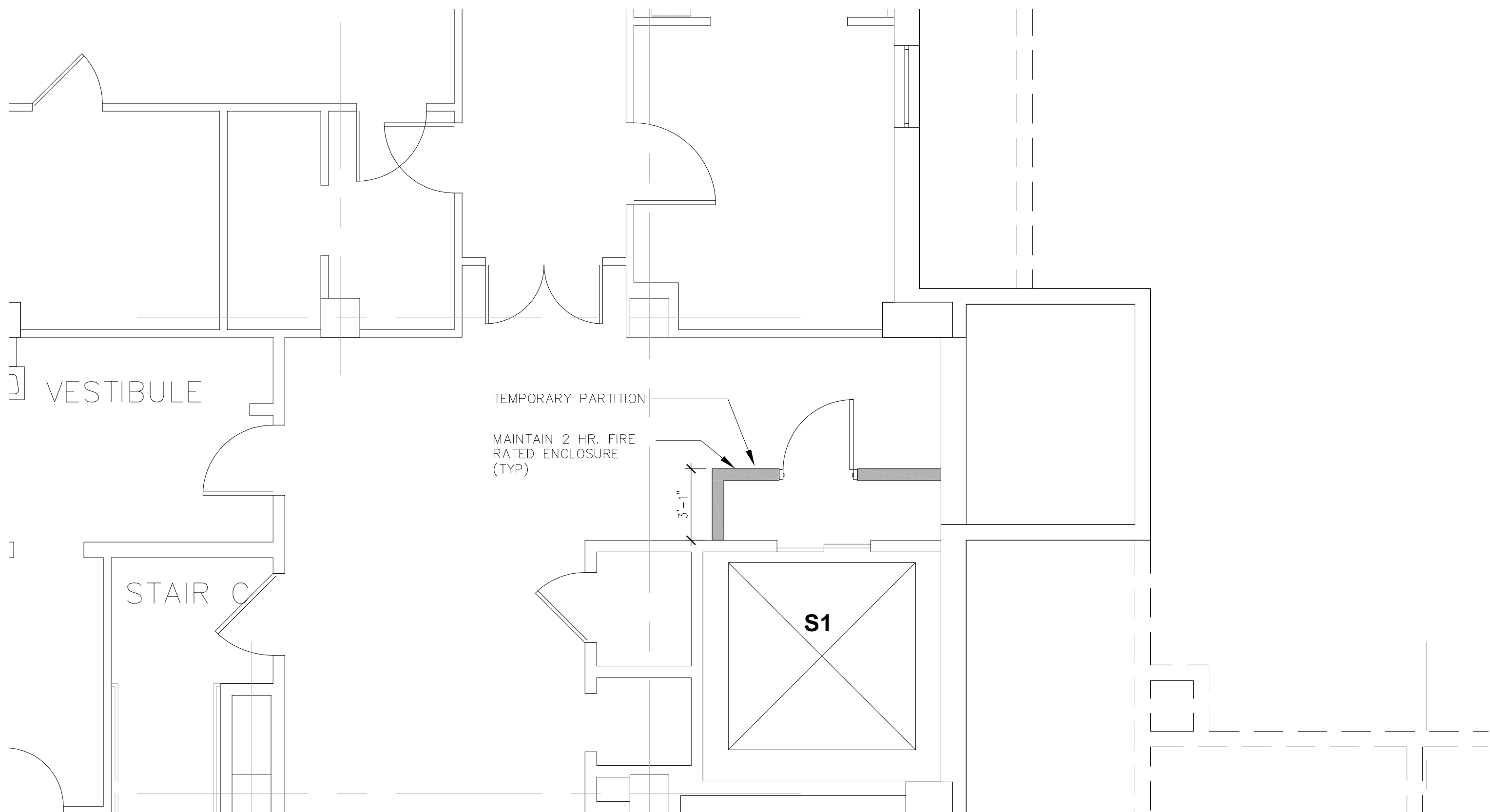
- DEMOLITION NOTES**
- 1 REMOVE EXISTING FLOOR FINISH
  - 2 REMOVE EXISTING CEILING FINISH
  - 3 REMOVE EXISTING APPLIED WALL PANELS
  - 4 REMOVE EXISTING HAND/BUMPER RAILS
  - 5 REMOVE EXISTING DOOR
  - 6 REMOVE EXISTING LIGHT FIXTURES

A1 DEMOLITION PLAN — ELEVATOR No. S1 — BUILDING 1 — BASEMENT LEVEL  
1/4"=1'-0"

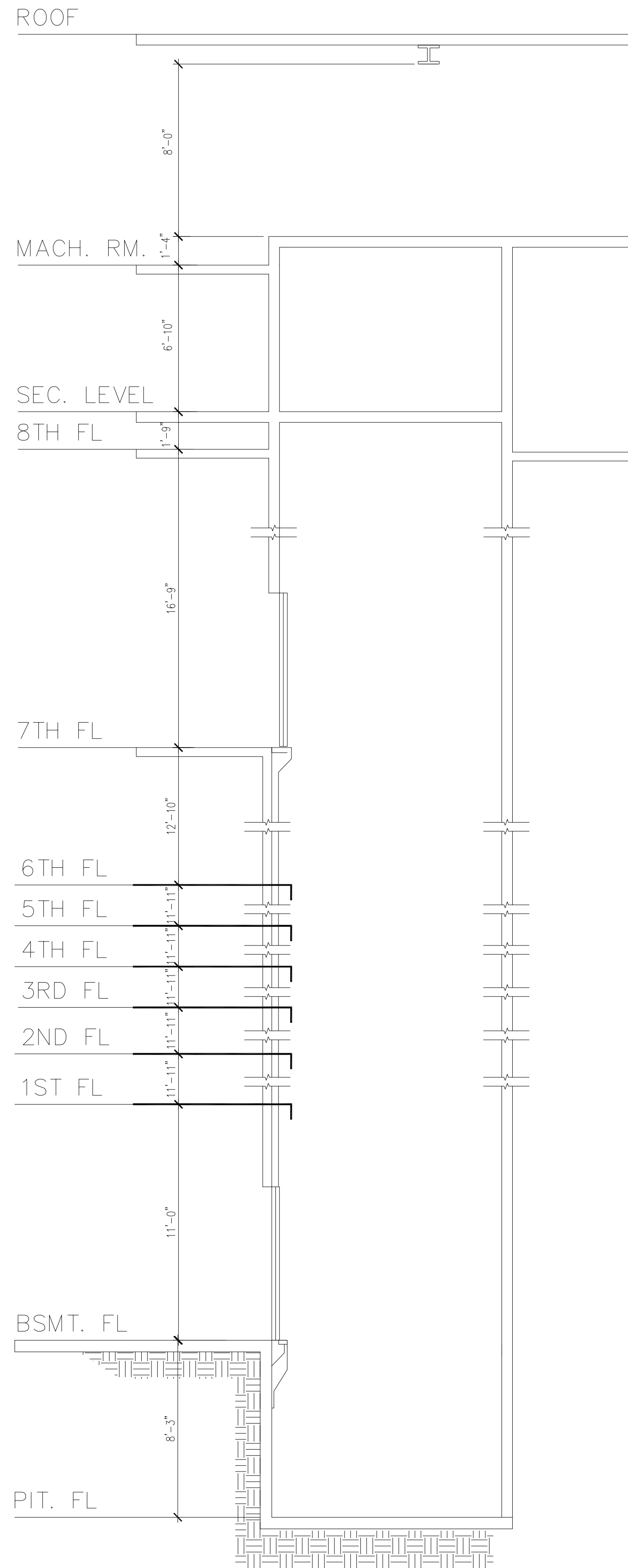
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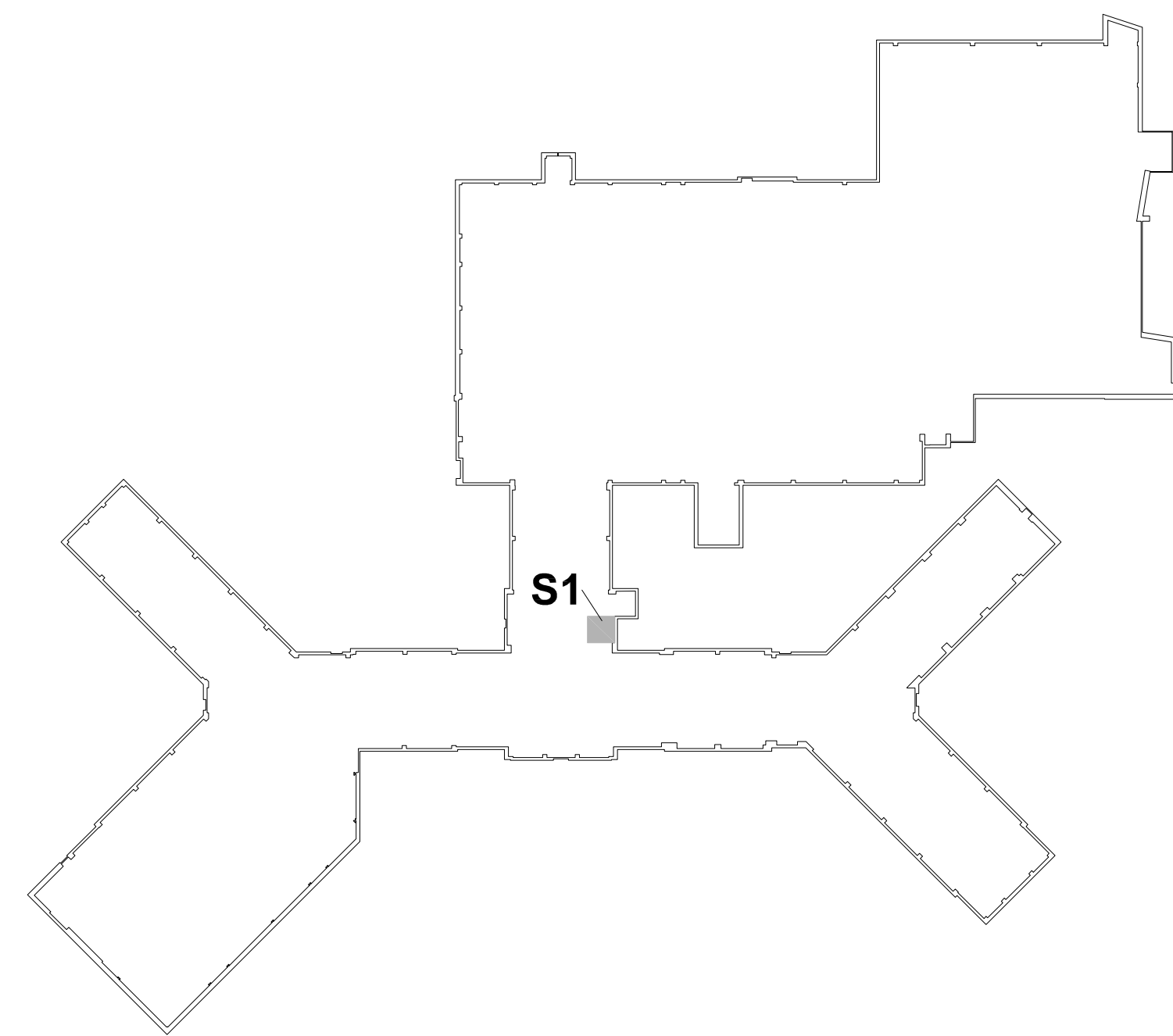


B1 HOISTWAY PLAN — ELEVATOR No. S1 — BUILDING 1 — BASEMENT LEVEL  
1/4"=1'-0"



NOTE: ALL DIMENSIONS ARE +/-






B2 HOISTWAY SECTION — ELEVATOR No. S1  
BUILDING 1  
1/4"=1'-0"



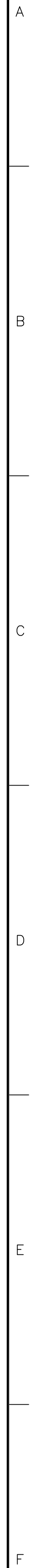
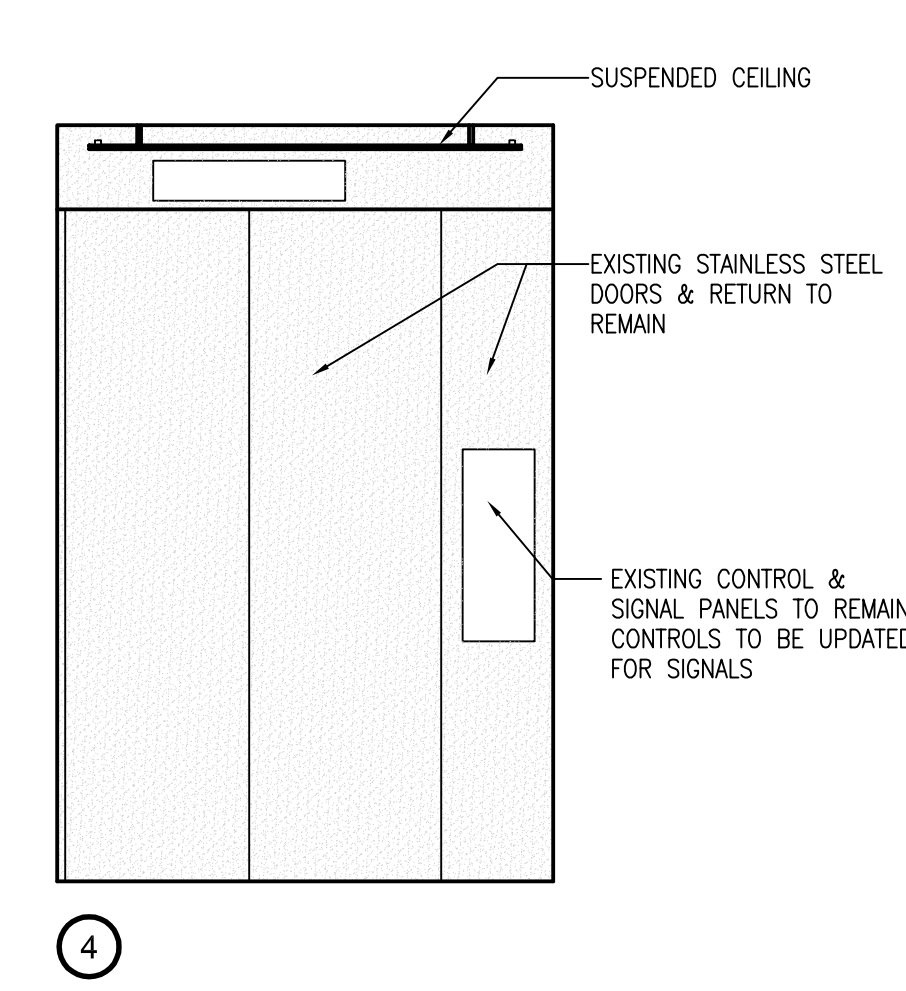
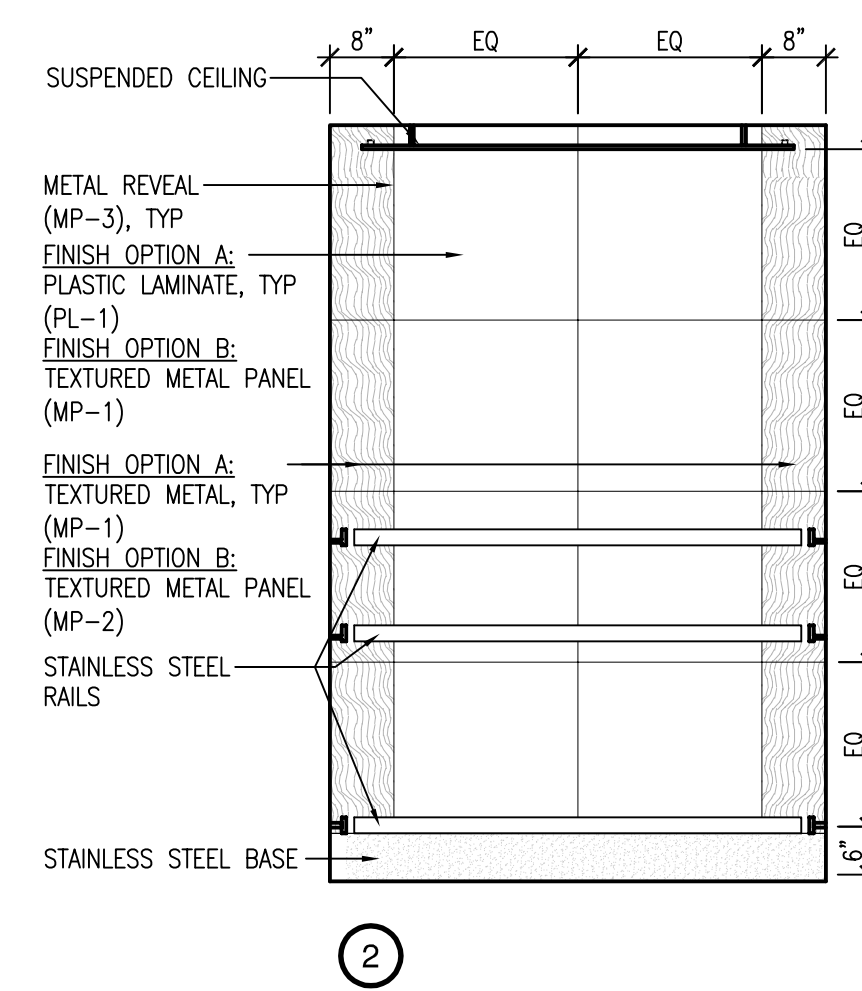
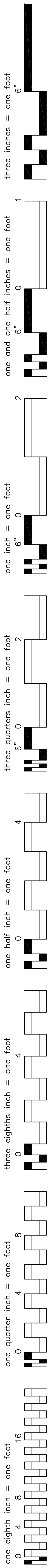
KEY PLAN — ELEVATOR S1, BUILDING 1  
(BID OPTION NO.6)  
N.T.S.



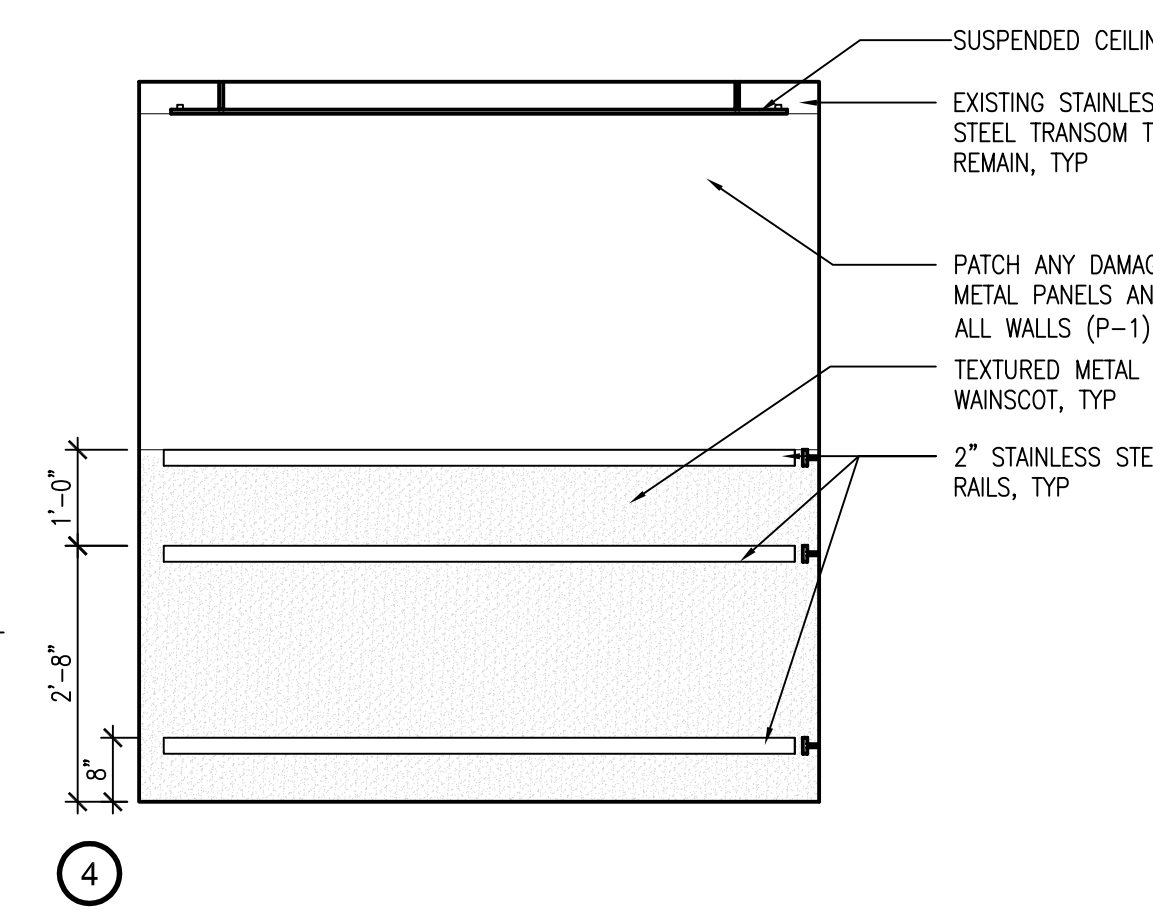
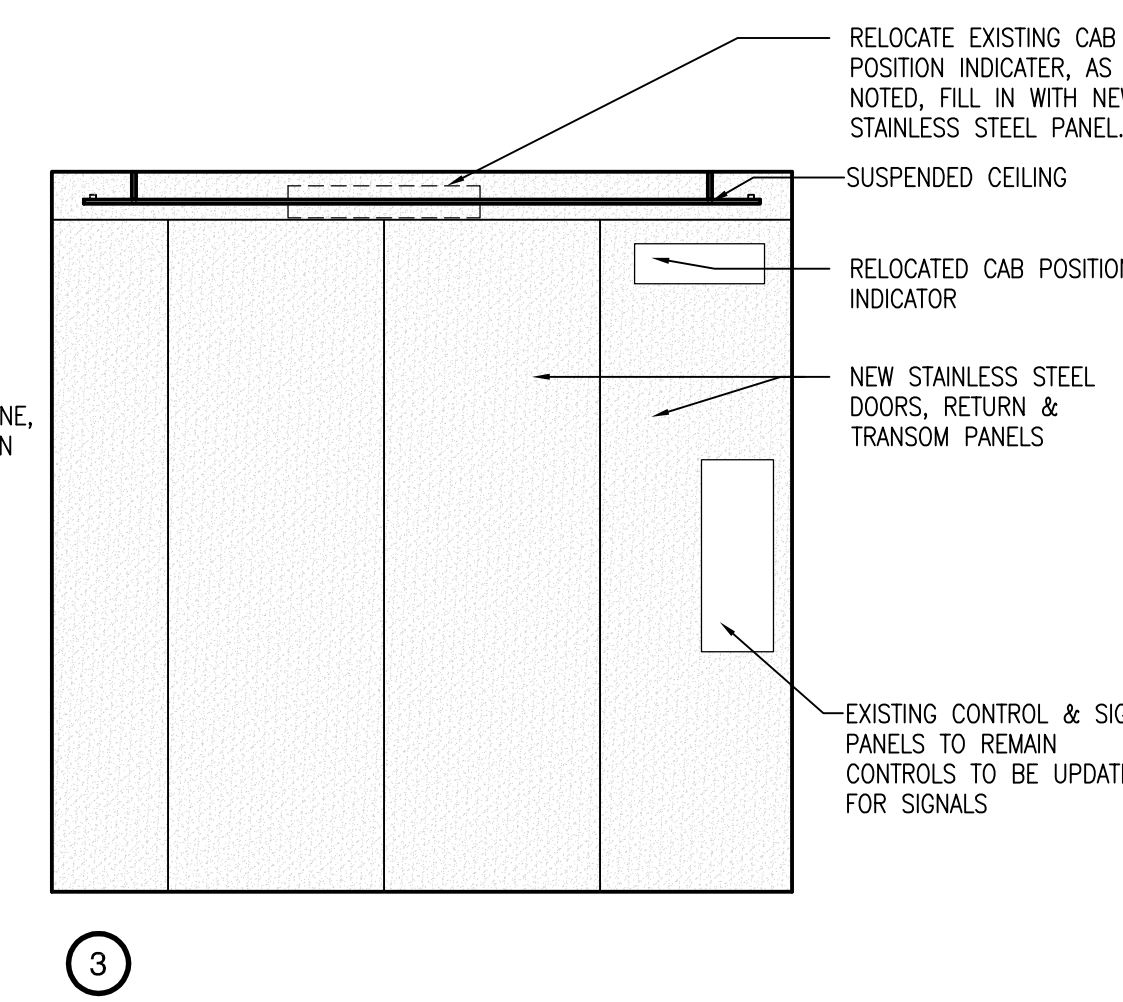
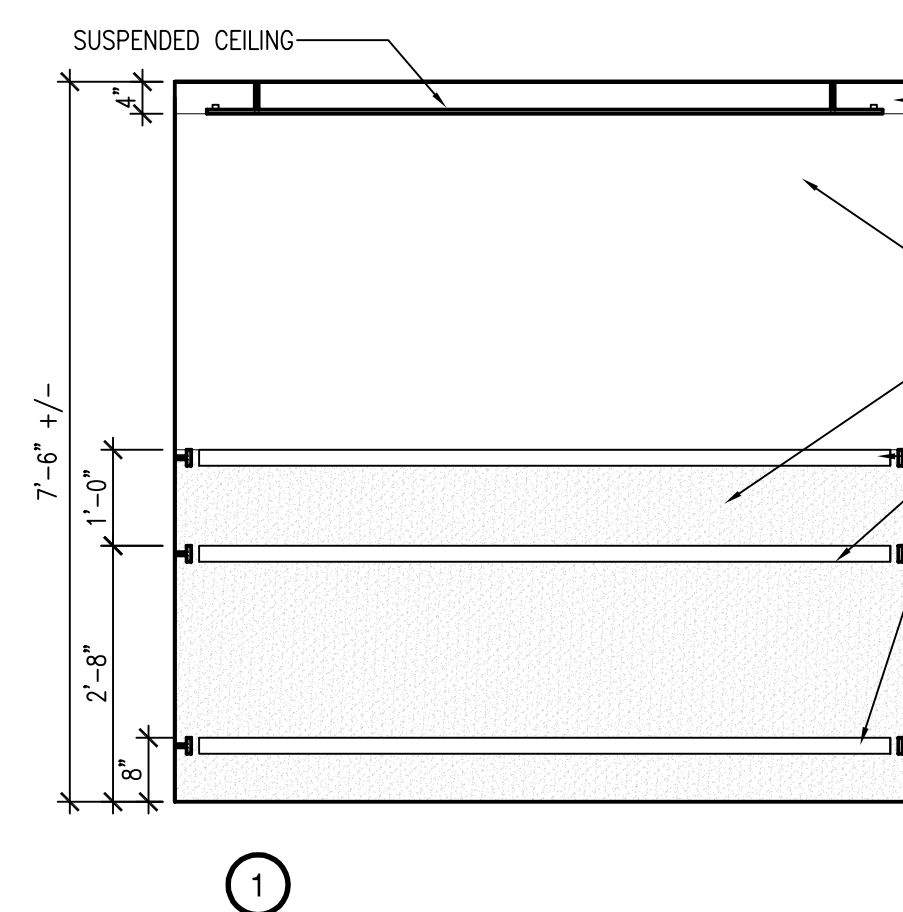
ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

		<b>CONSULTANTS:</b>				<b>ARCHITECT:</b>		<b>Drawing Title</b>		<b>Project Title</b>		<b>Project Number</b>		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>	
		<b>Structural Engineer:</b>		<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		<b>Elevator Upgrades and Modernization</b>		<b>650-10-106</b>			
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738						Elevator No. S1 (Bid Option No.6)		<b>Building Number</b> 1			
						CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Approved Project Director		<b>Drawing Number</b> <b>AS108</b>			
<b>Revisions:</b>								<b>HDR</b>  HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700		<b>Location</b> VAMC PROVIDENCE, RI 02980		<b>Dwg. 012 of 030</b>			
										<b>Date</b> 03/23/12		<b>Checked</b>		<b>Drawn</b>	

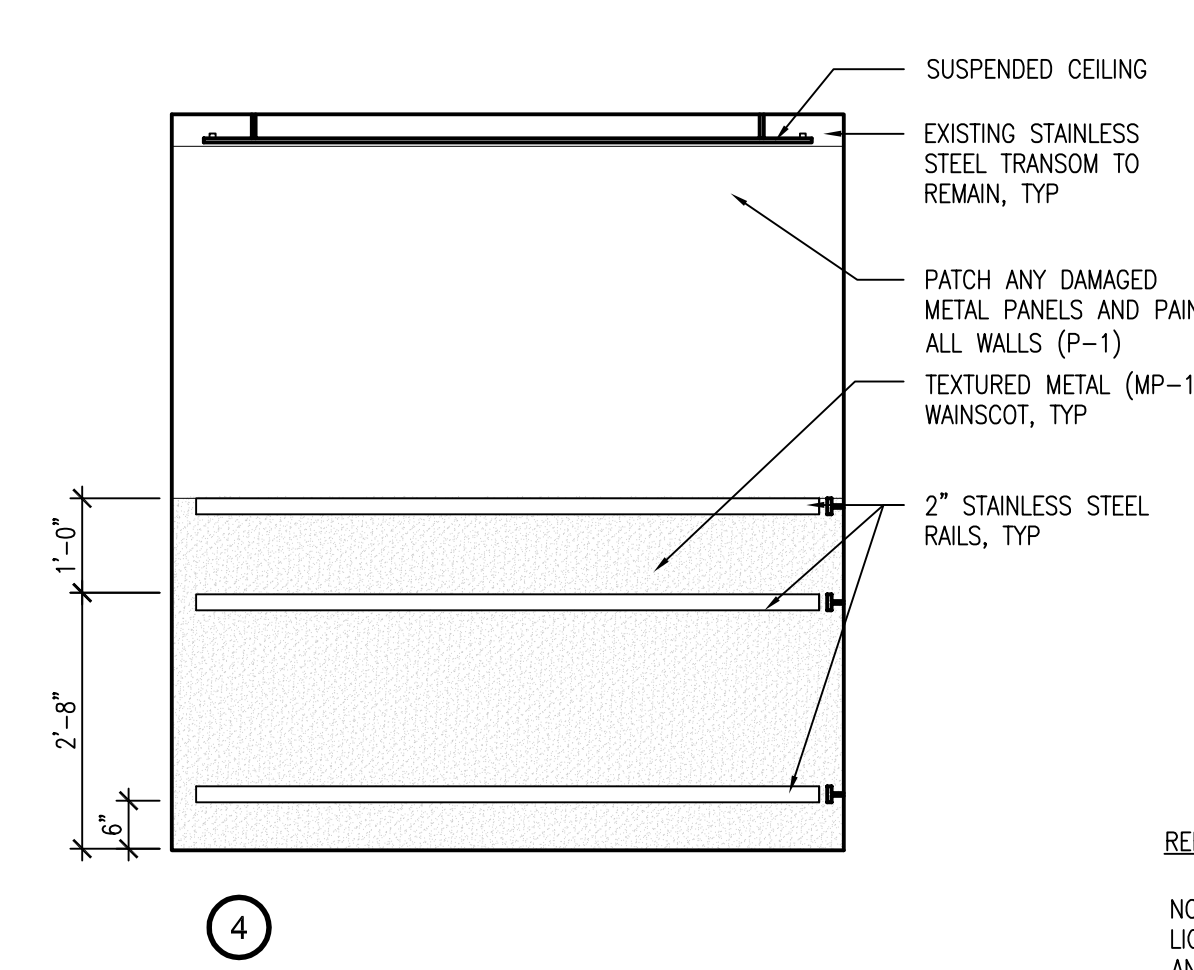
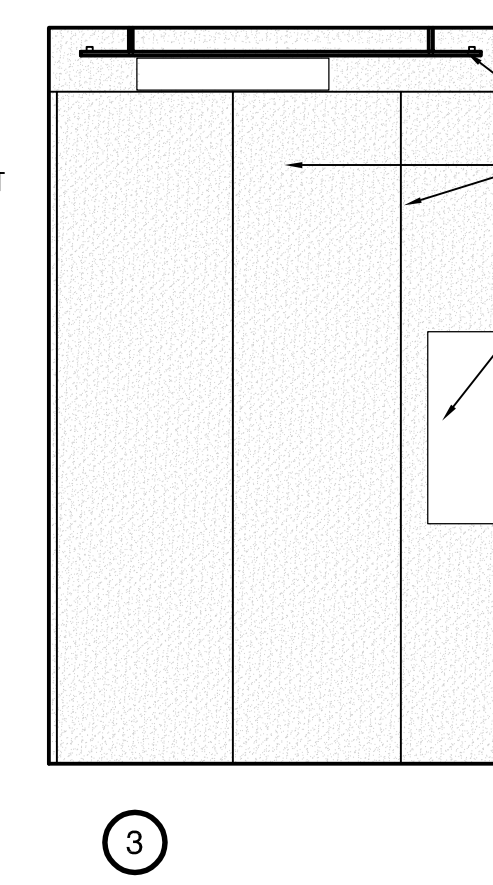
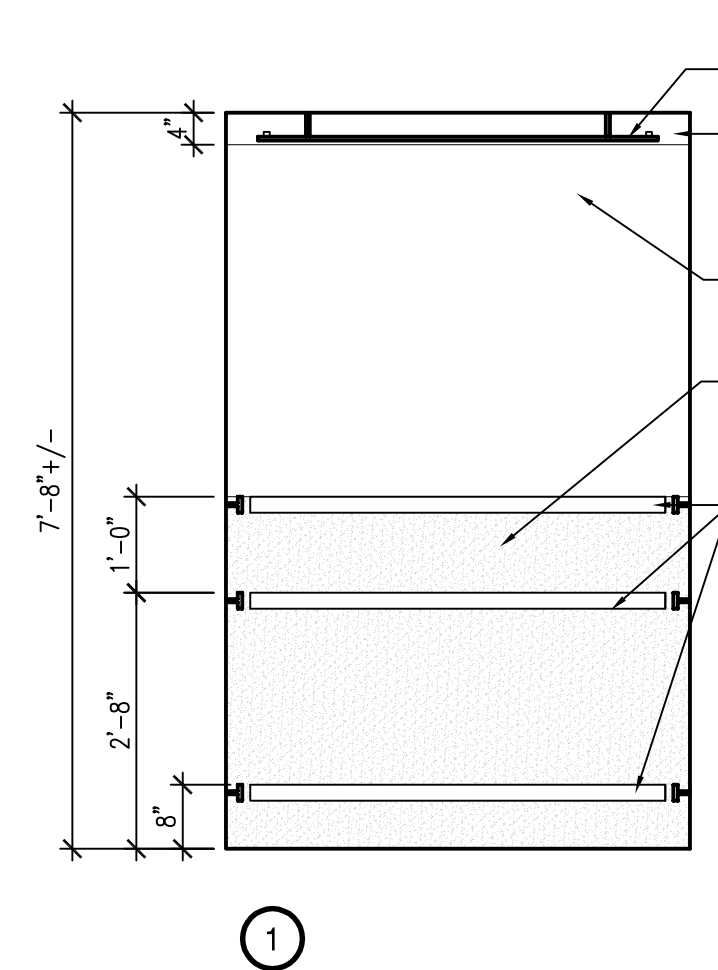




② ELEVATOR No. S-5 (BID OPTION NO. 2) PANEL LAYOUT OPTION 1  
1/2"=1'-0"



— ③ ELEVATOR No. S-6 (BID OPTION NO. 3) PANEL LAYOUT OPTION 1  
1/2"=1'-0"

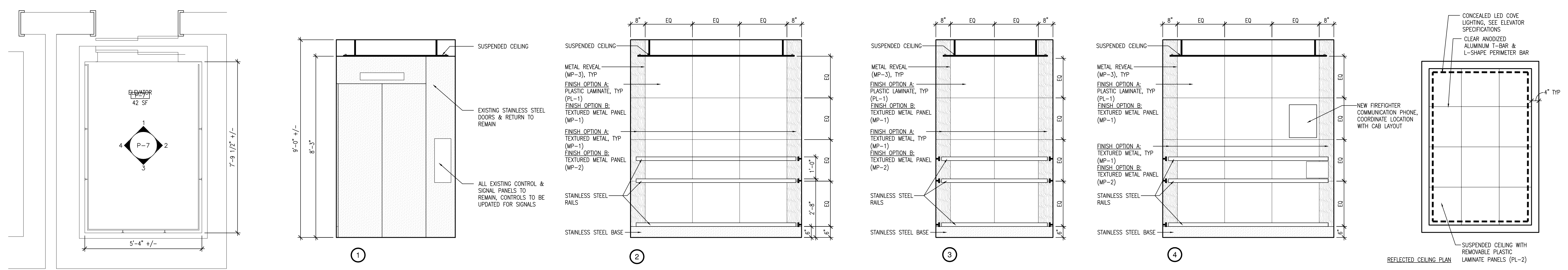


Office of  
Construction  
and Facilities  
Management

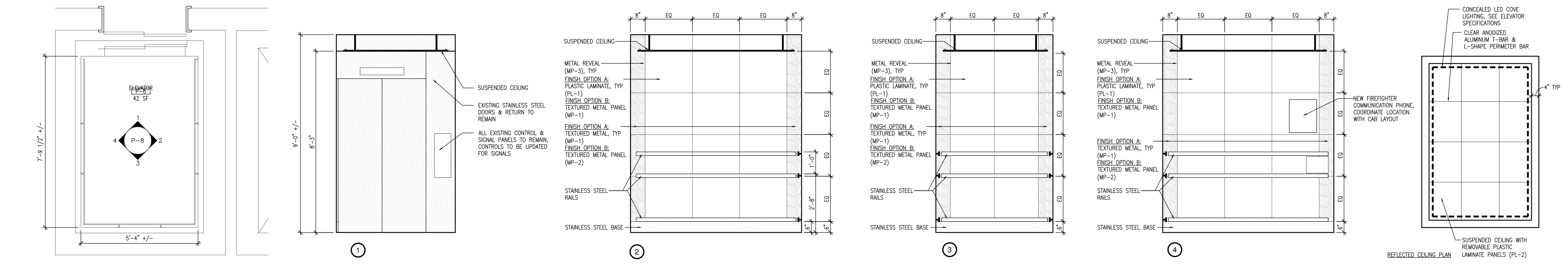
 Department of  
Veterans AffairsDwg. 013 of 030



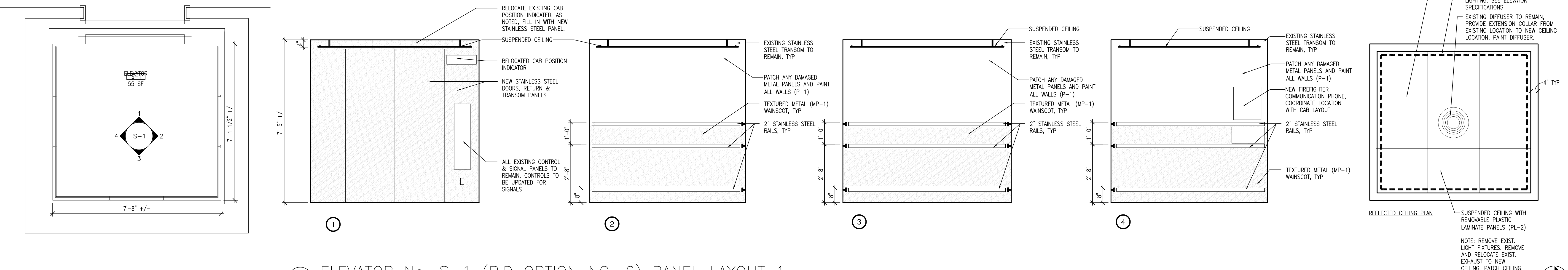
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1 ELEVATOR No. P-7 (BID OPTION NO. 4) PANEL LAYOUT OPTION 1  
1/2"=1'-0"



2 ELEVATOR No. P-8 (BID OPTION NO. 5) PANEL LAYOUT 1  
1/2"=1'-0"



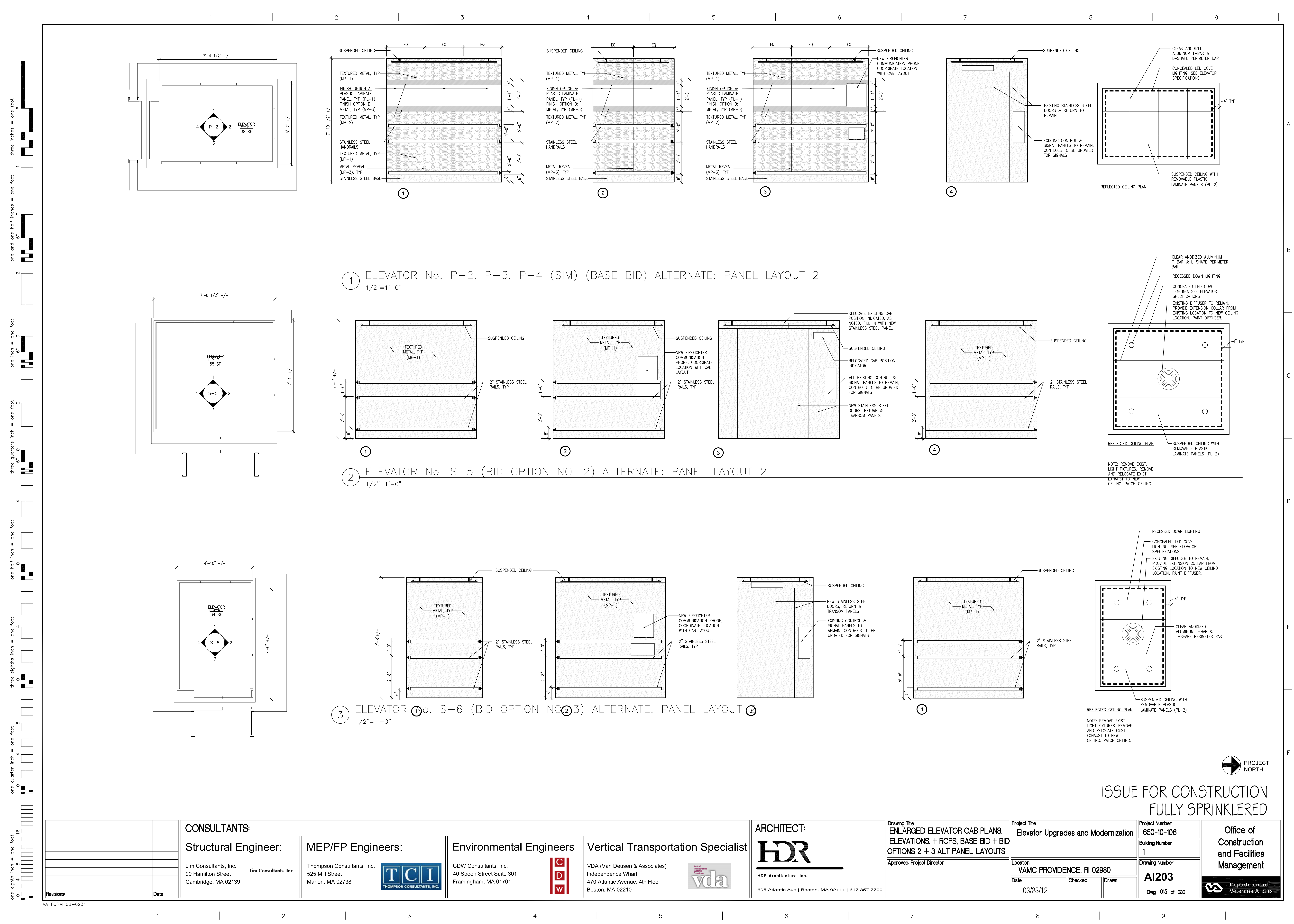
3 ELEVATOR No. S-1 (BID OPTION NO. 6) PANEL LAYOUT 1  
1/2"=1'-0"



ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

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1 ELEVATOR No. P-2, P-3, P-4 (SIM) (BASE BID) ALTERNATE: PANEL LAYOUT 2  
1/2"=1'-0"

2 ELEVATOR No. S-5 (BID OPTION NO. 2) ALTERNATE: PANEL LAYOUT 2  
1/2"=1'-0"

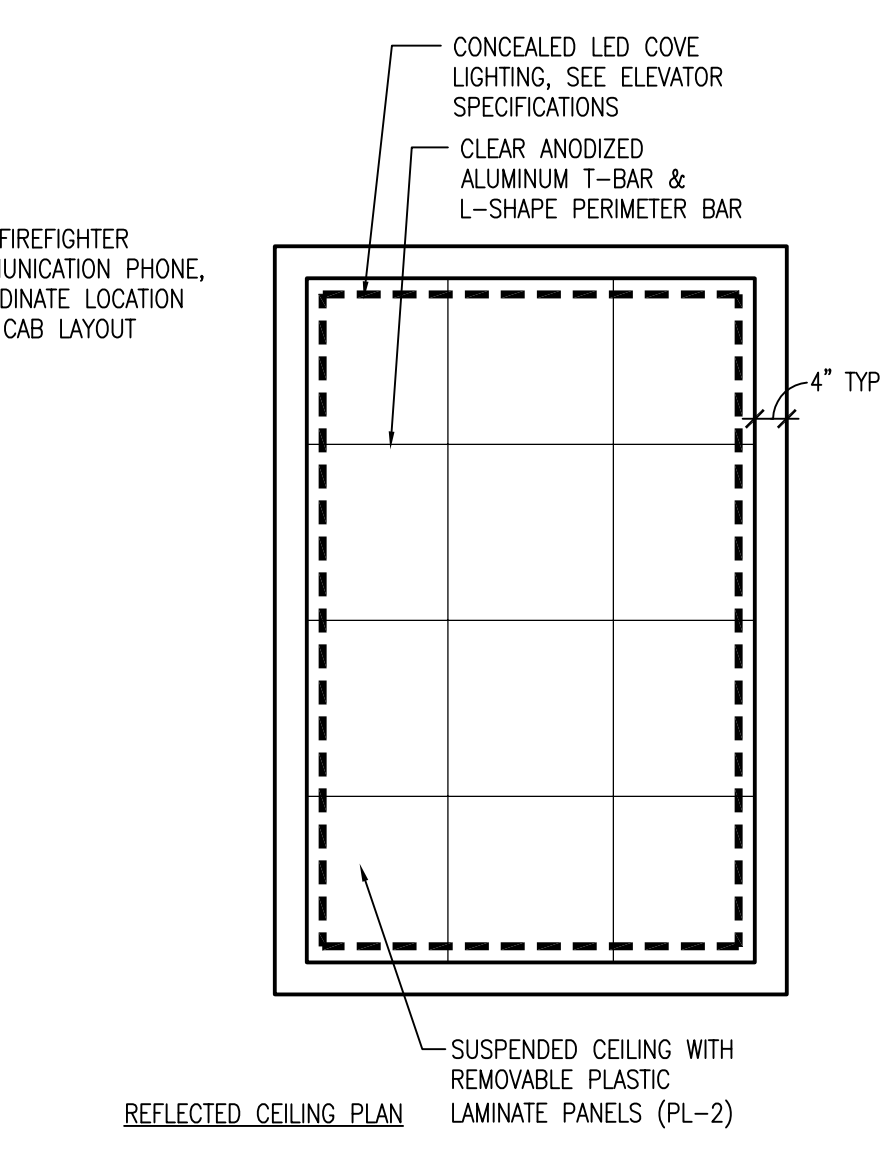
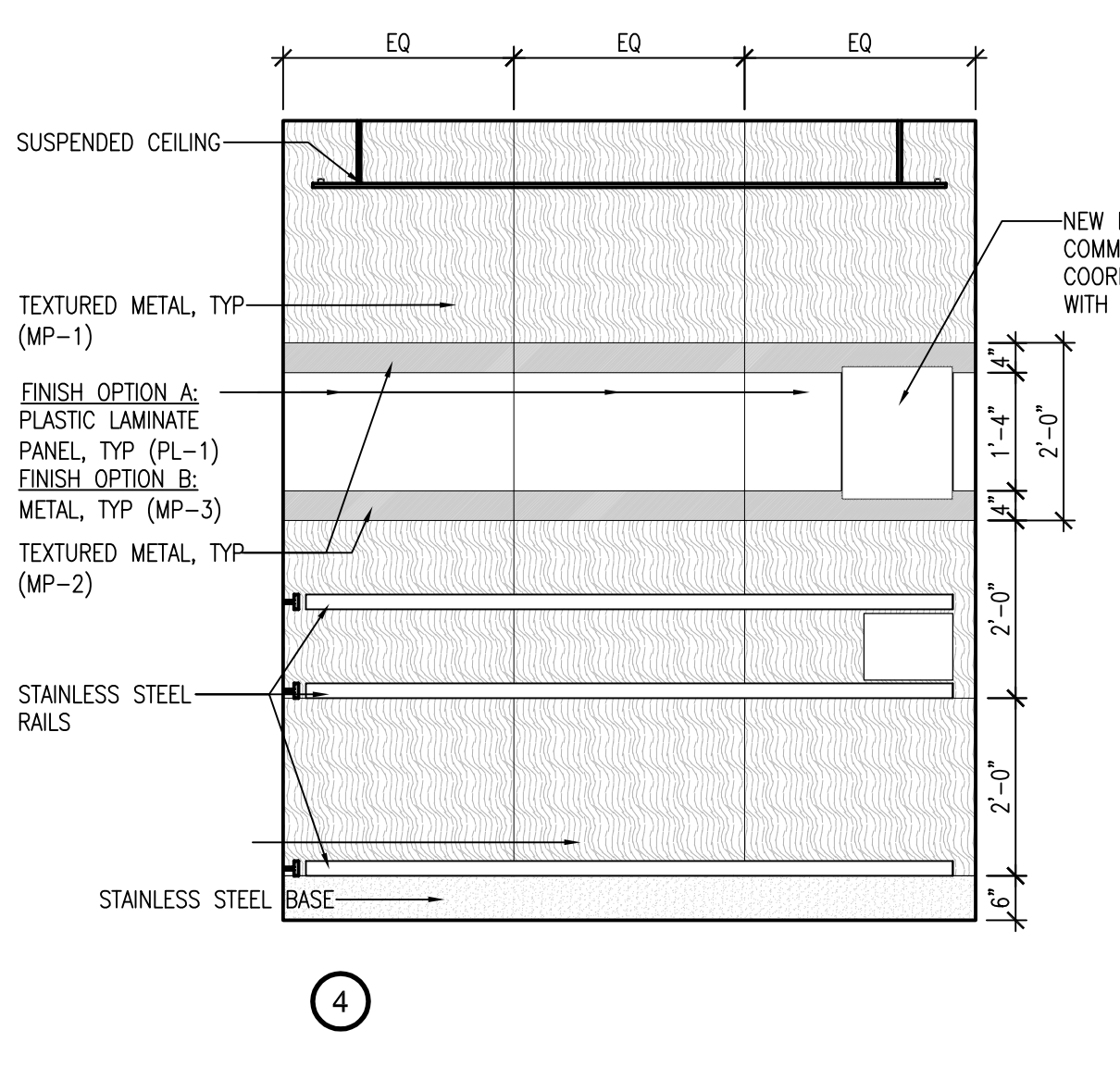
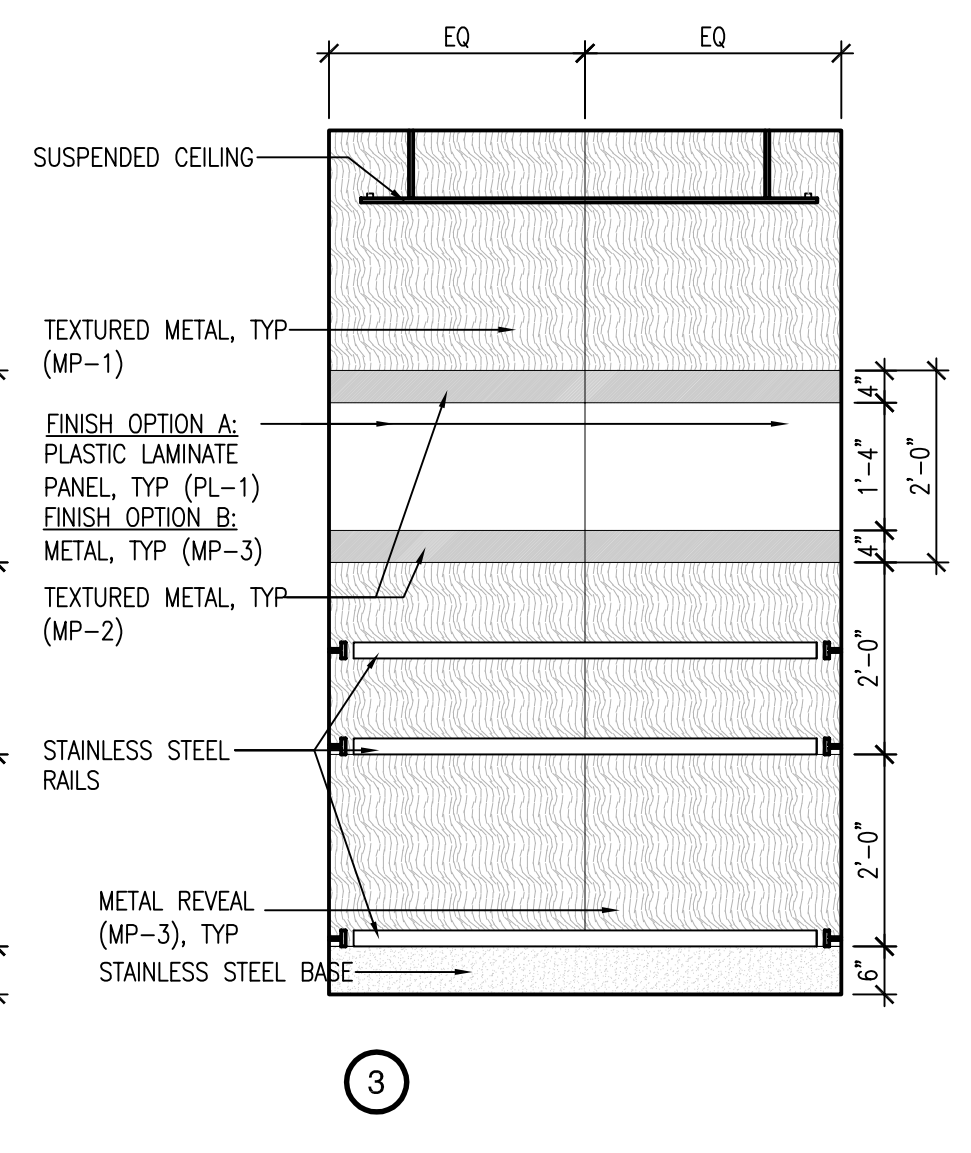
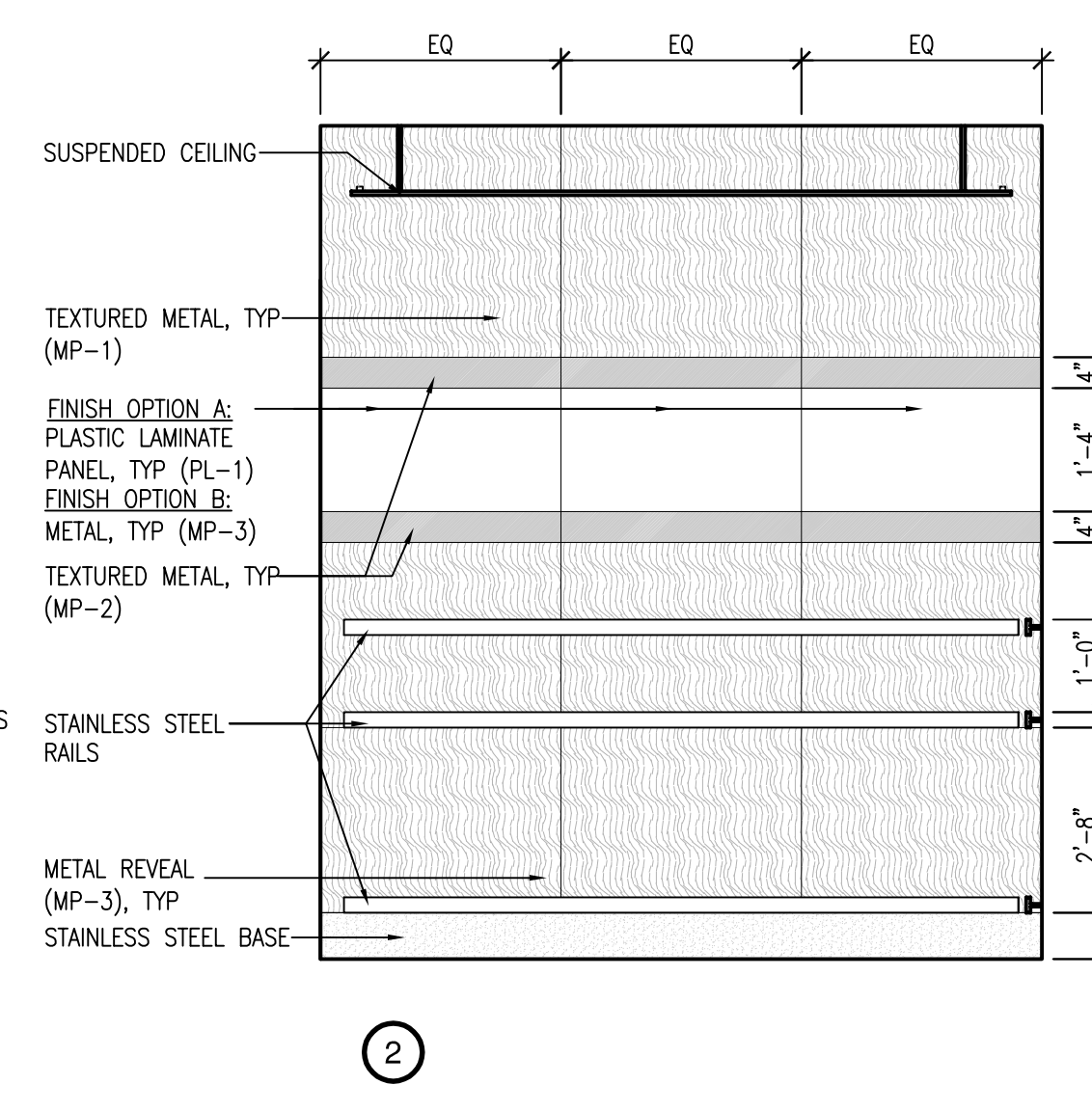
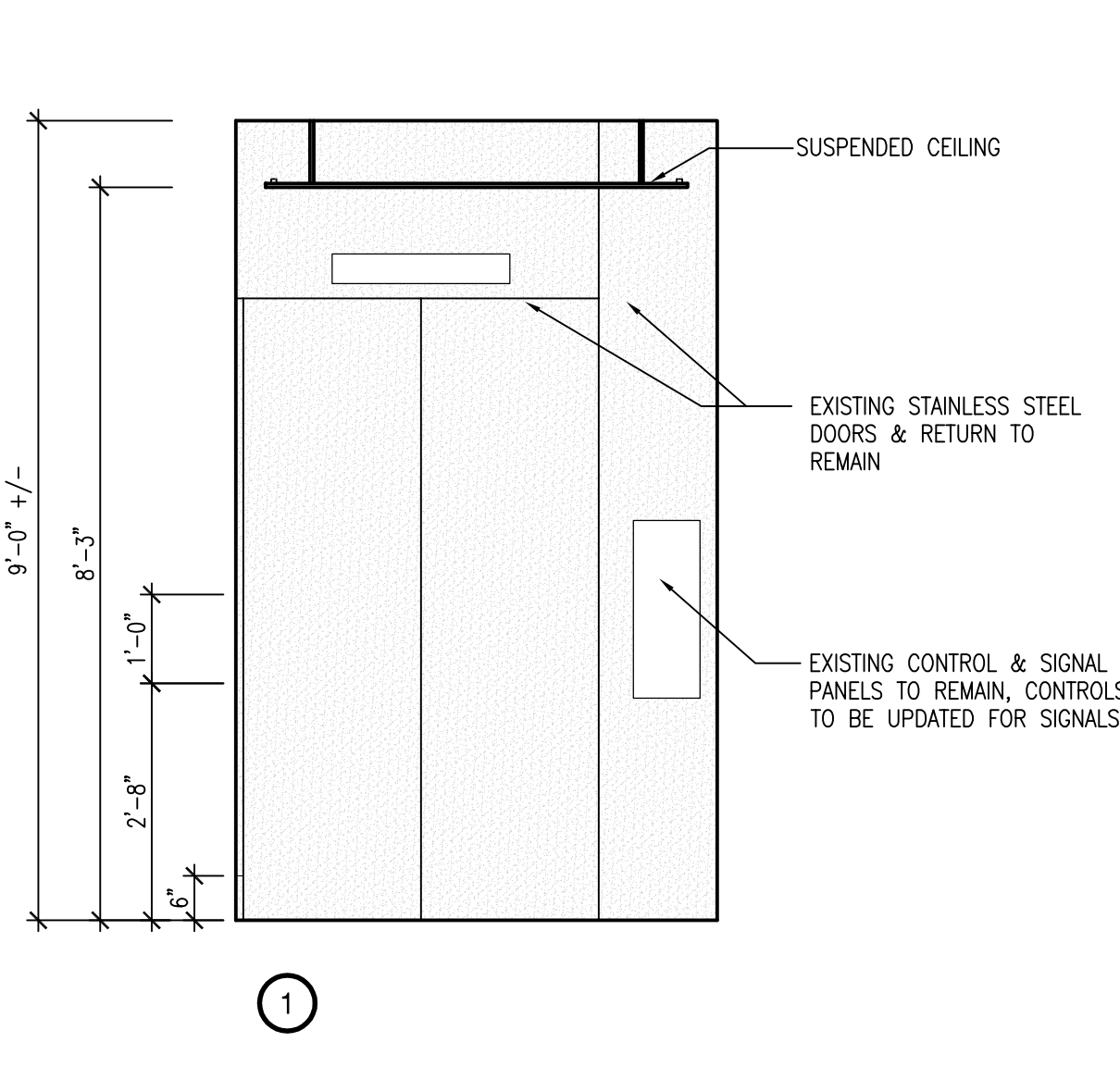
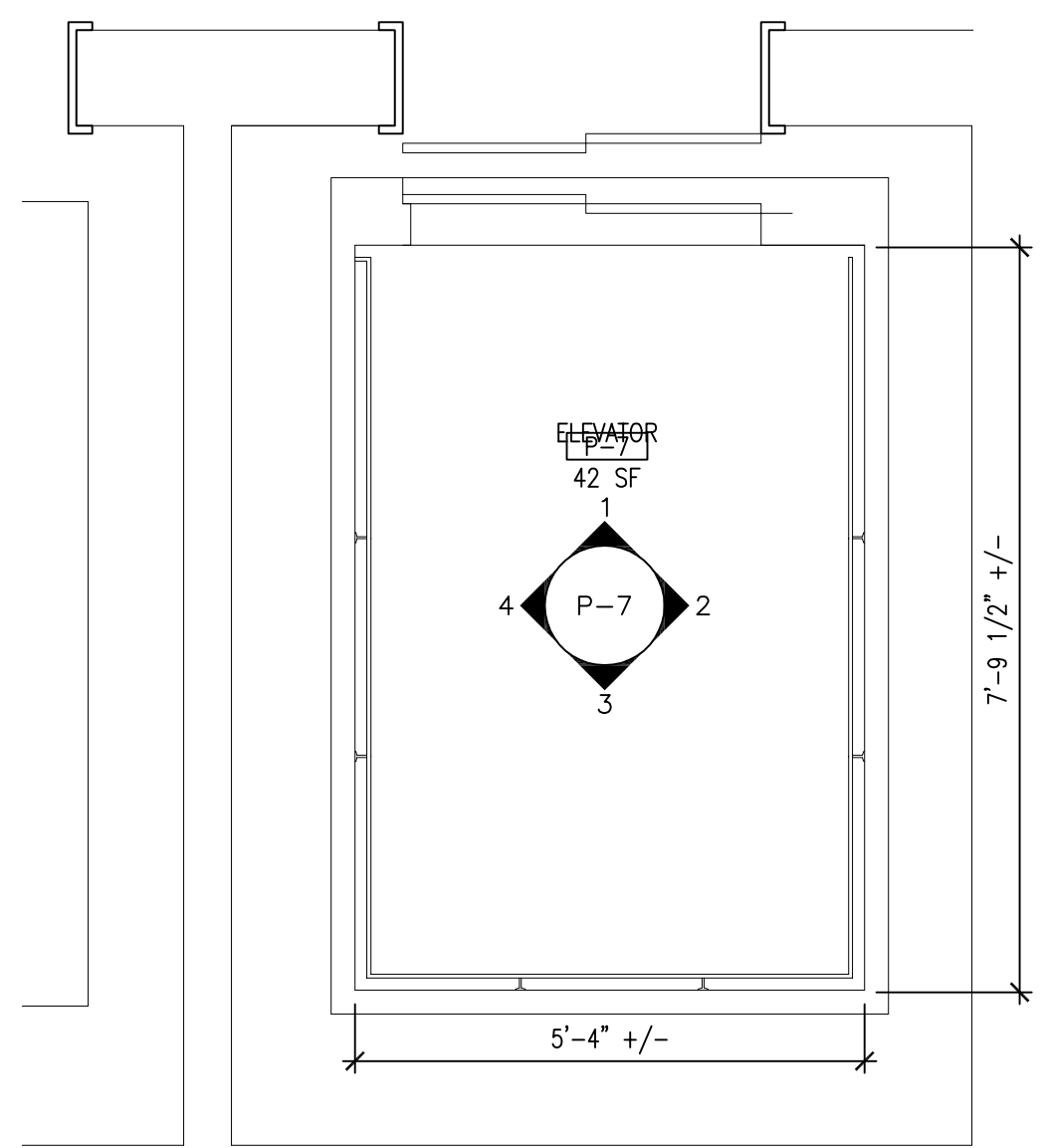
3 ELEVATOR No. S-6 (BID OPTION NO. 2, 3) ALTERNATE: PANEL LAYOUT 3  
1/2"=1'-0"

ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

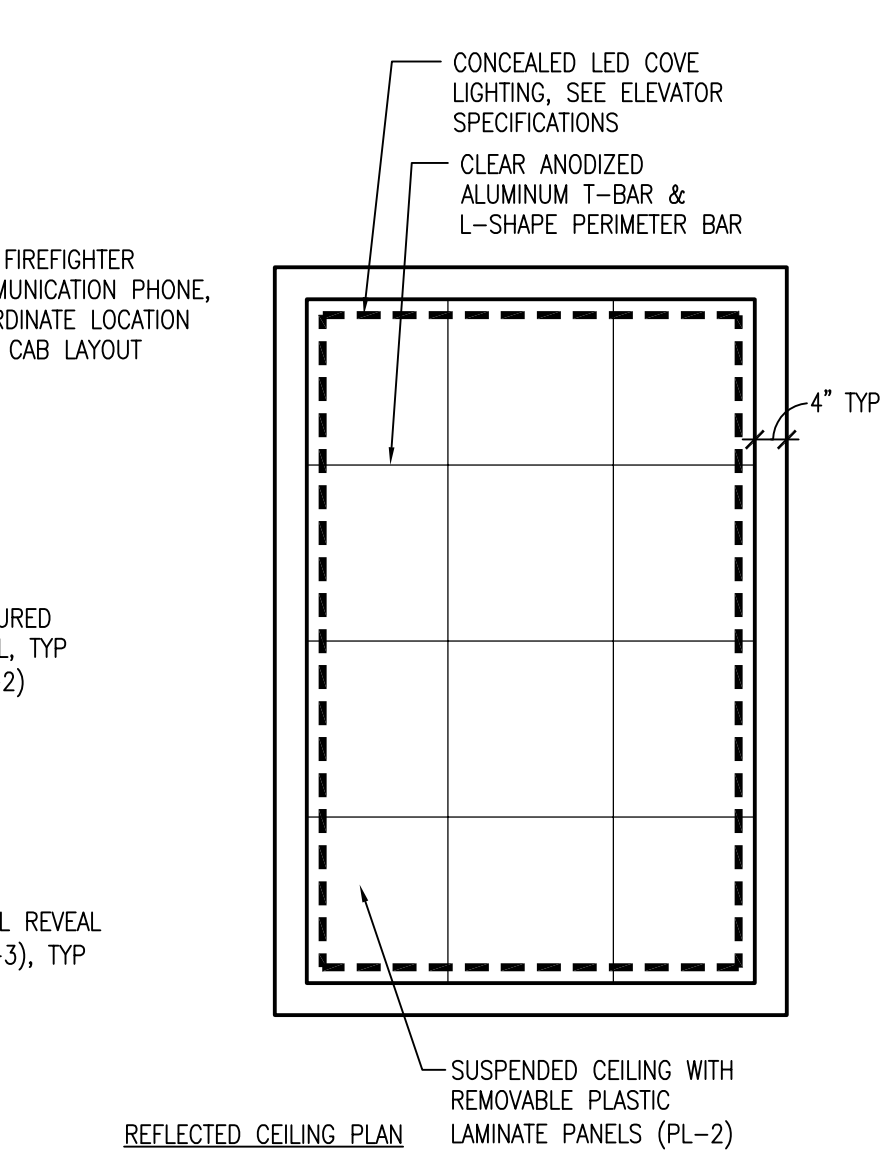
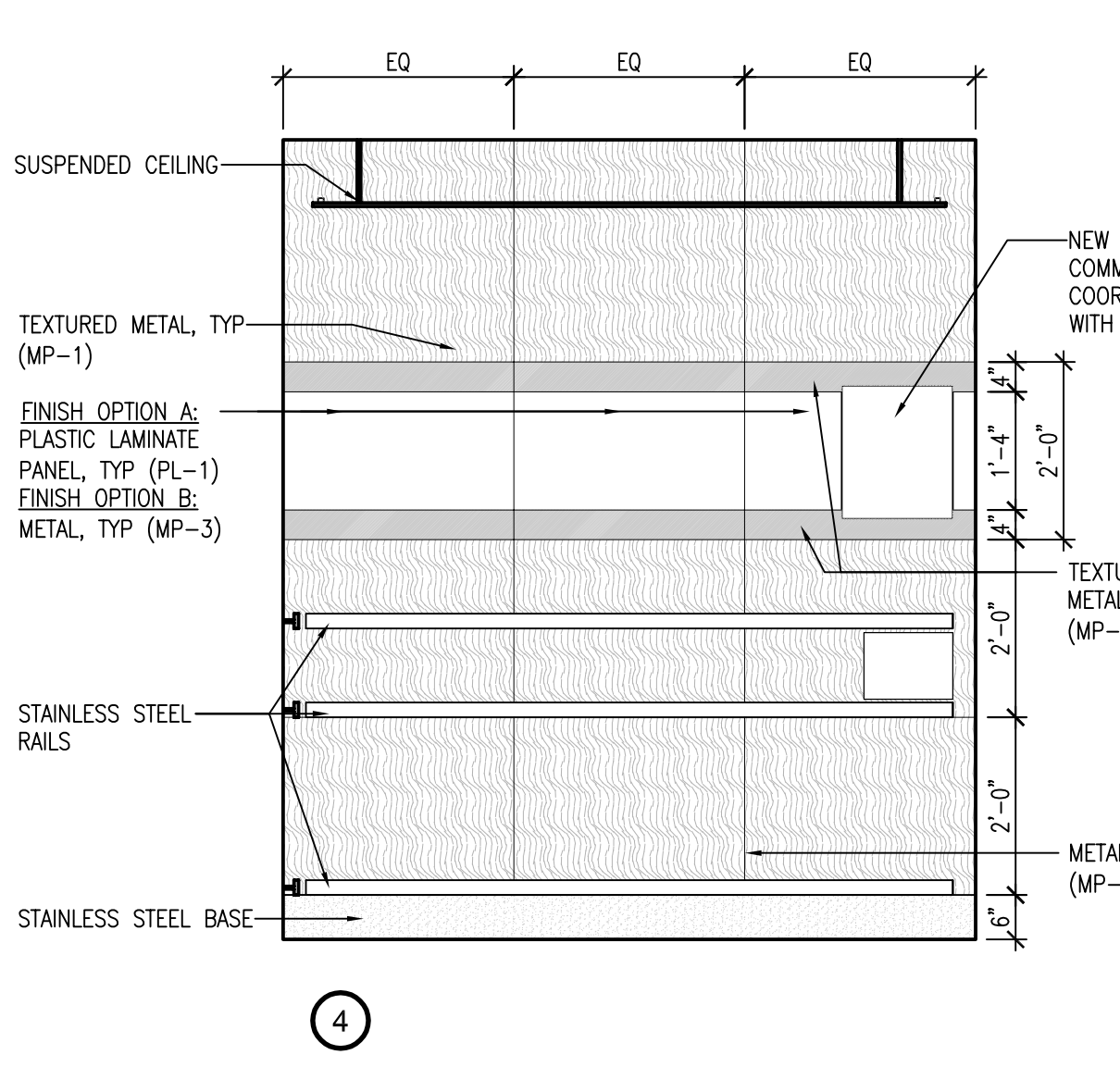
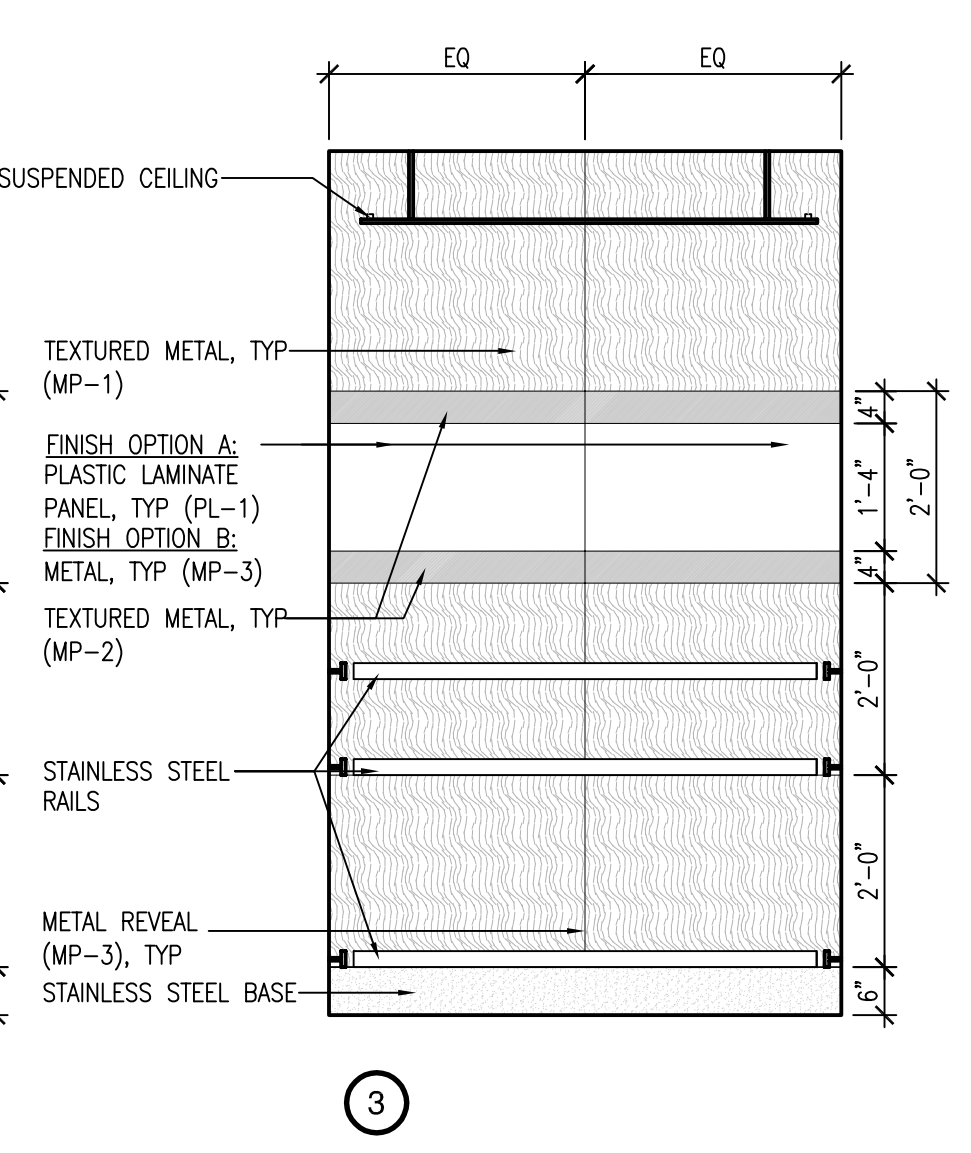
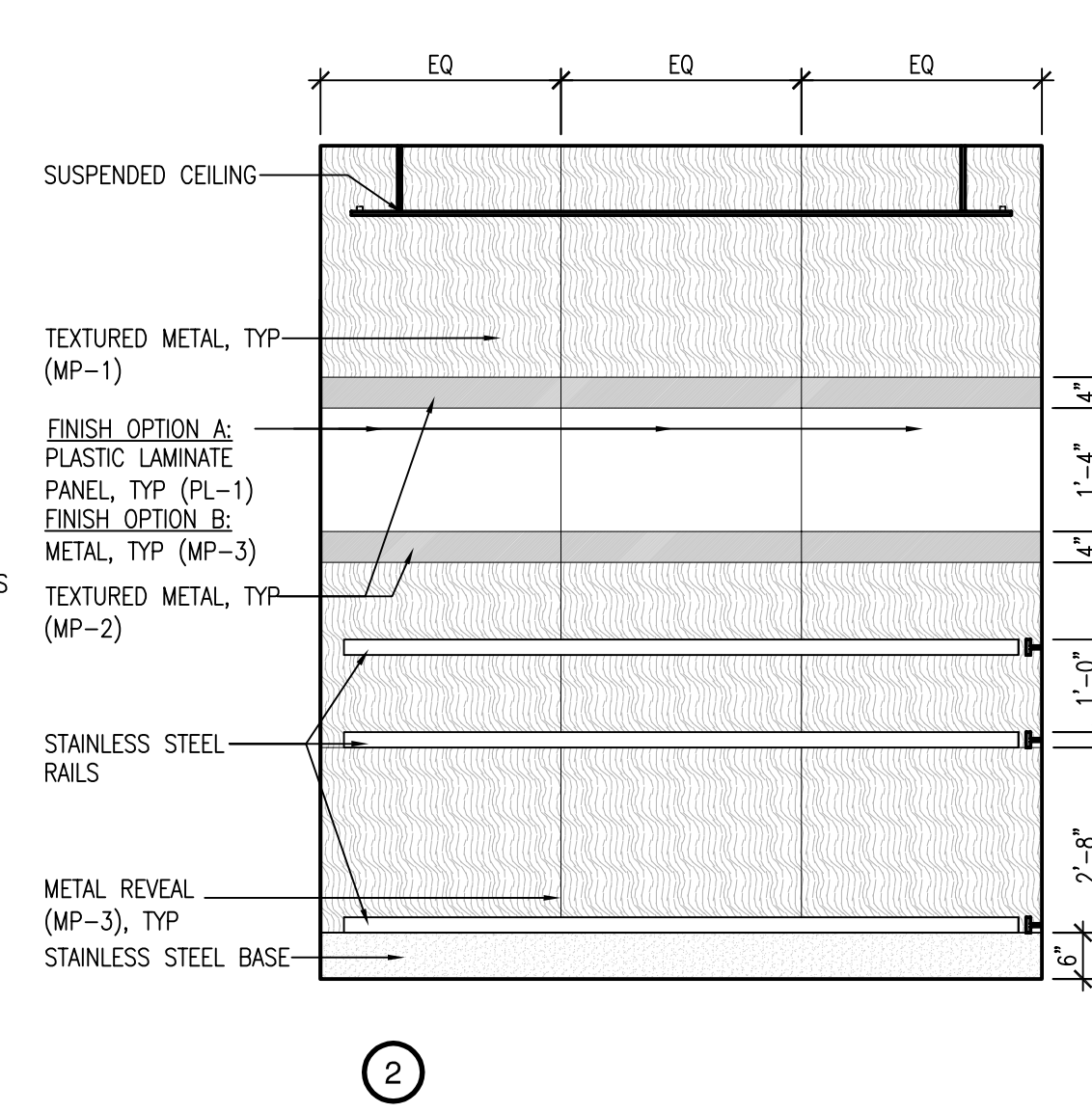
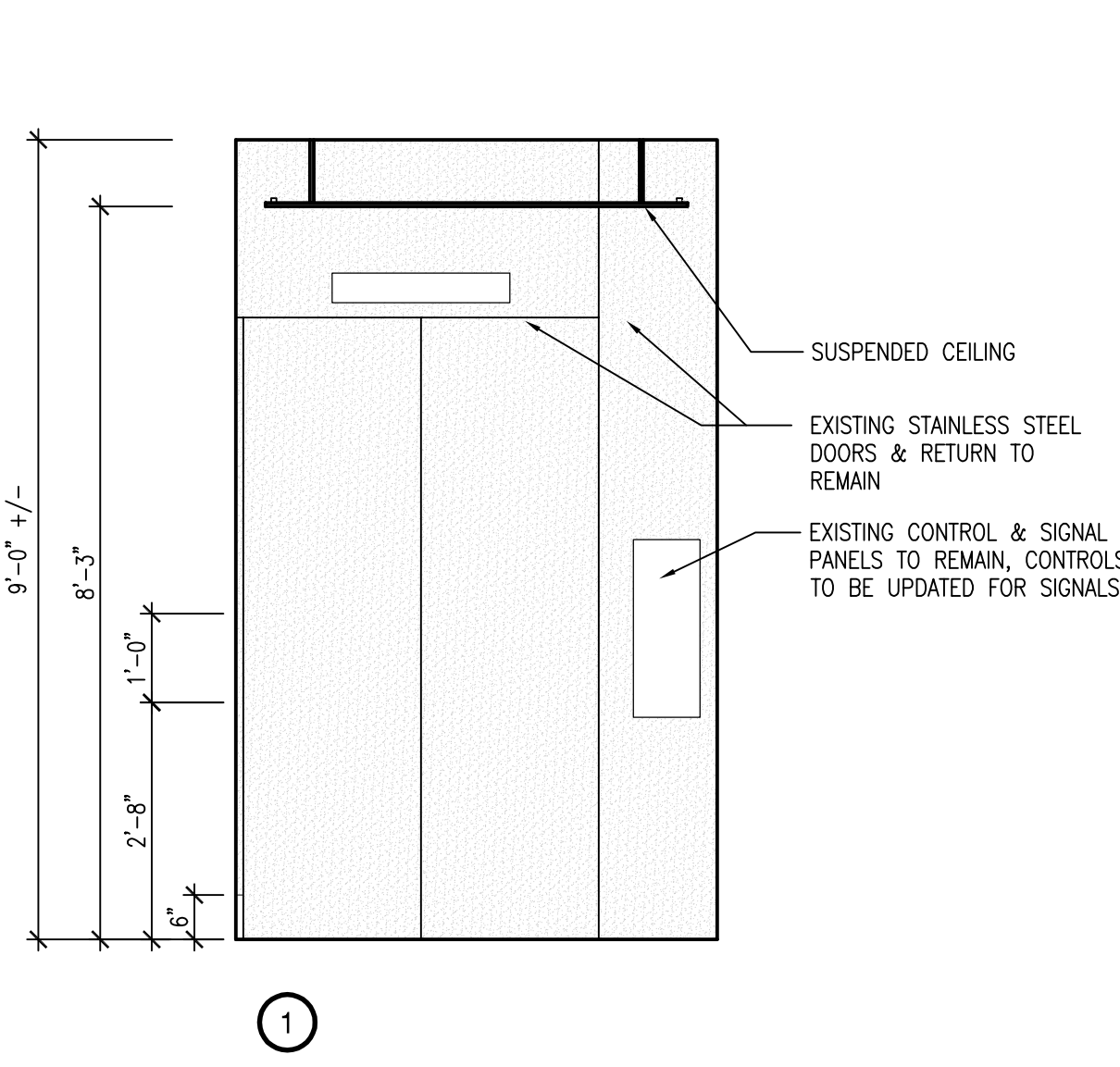
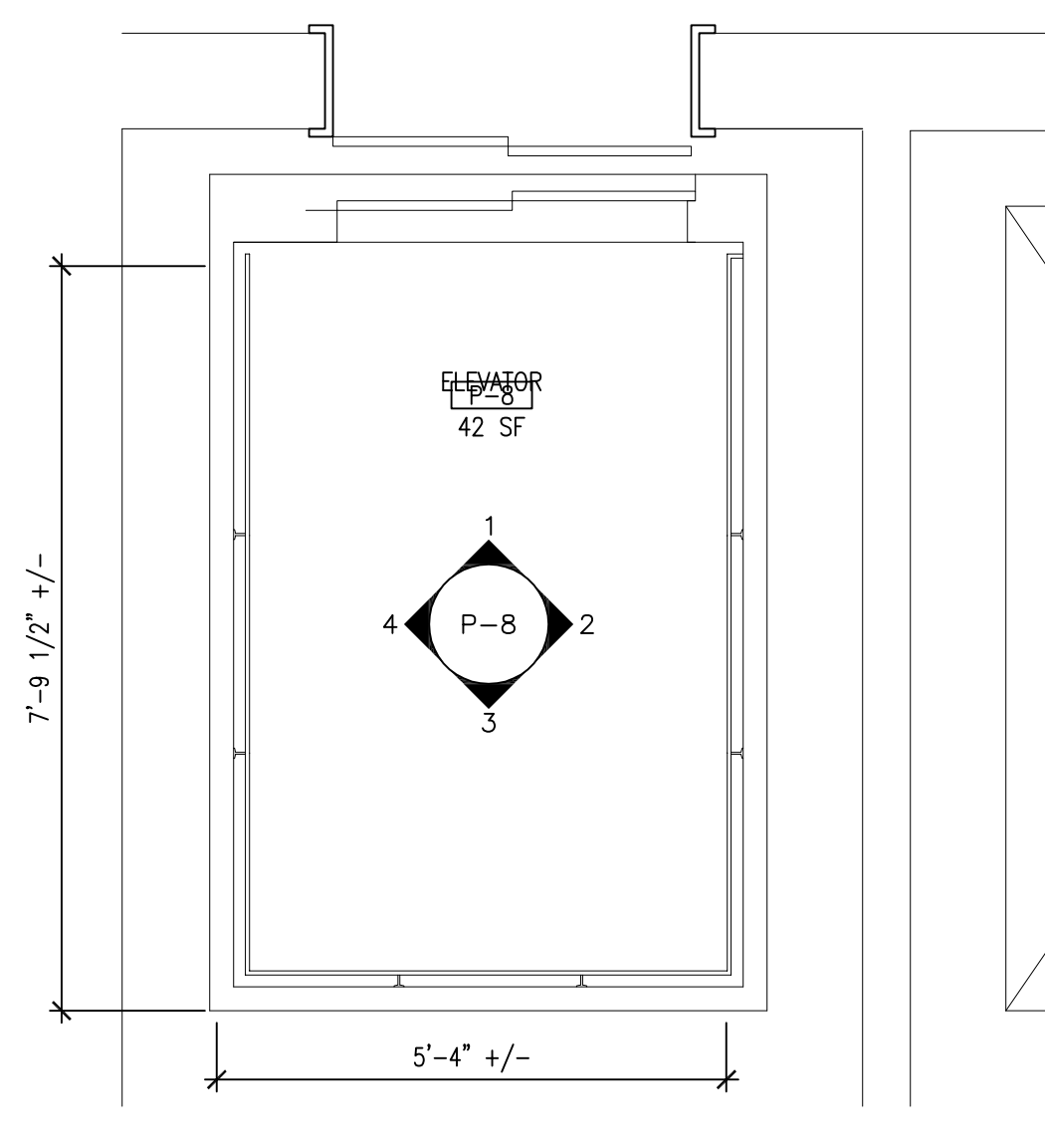
<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b>		<b>Project Title</b>		<b>Project Number</b>		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>	
<b>Structural Engineer:</b>		<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		<b>ENLARGED ELEVATOR CAB PLANS, ELEVATIONS, + RCPS, BASE BID + BID OPTIONS 2 + 3 ALT PANEL LAYOUTS</b>			<b>650-10-106</b>
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		 THOMPSON CONSULTANTS, INC.		 CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		 VDA (Van Deusen & Associates) Independence Wharf 470 Atlantic Avenue, 4th Floor Boston, MA 02210			<b>Building Number</b> 1
<b>Revisions</b>		<b>Date</b>				<b>HDR</b> HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700		<b>Approved Project Director</b>			<b>Drawing Number</b> <b>AI203</b> Dwg. 015 of 030
								<b>Location</b> VAMC PROVIDENCE, RI 02980			
								<b>Date</b> 03/23/12			<b>Checked</b>
								<b>Drawn</b>			



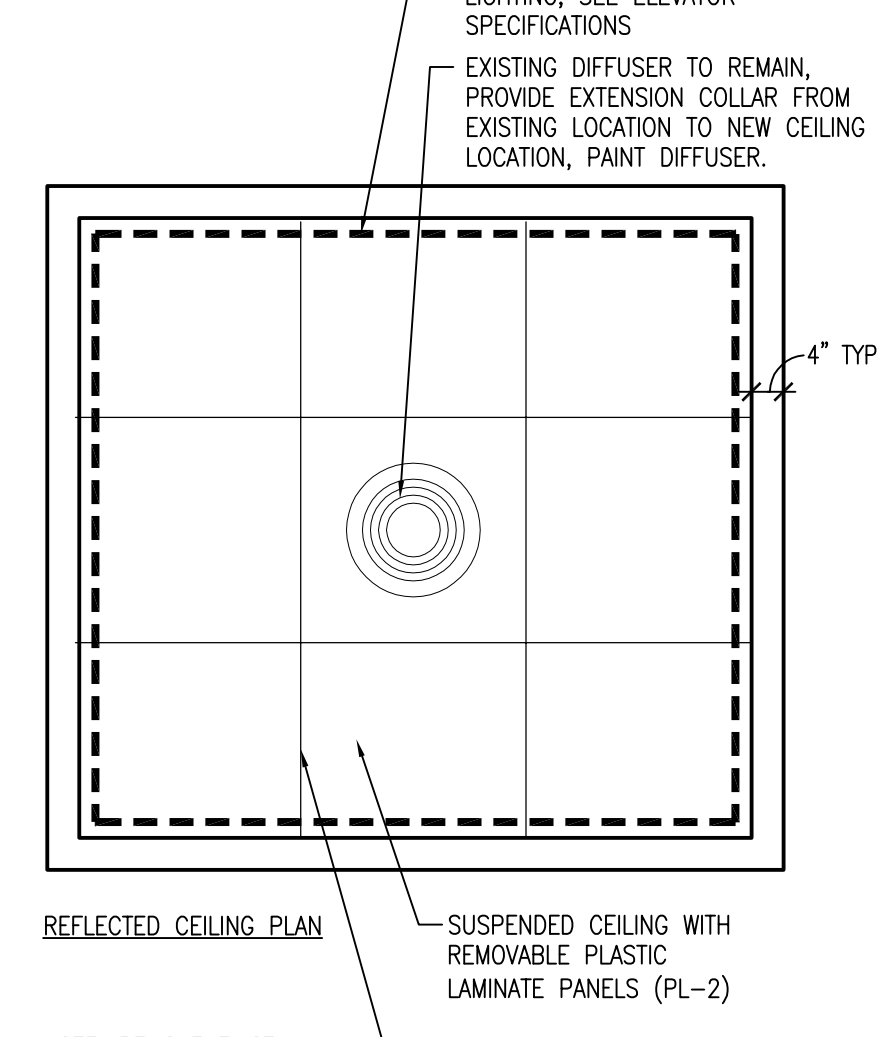
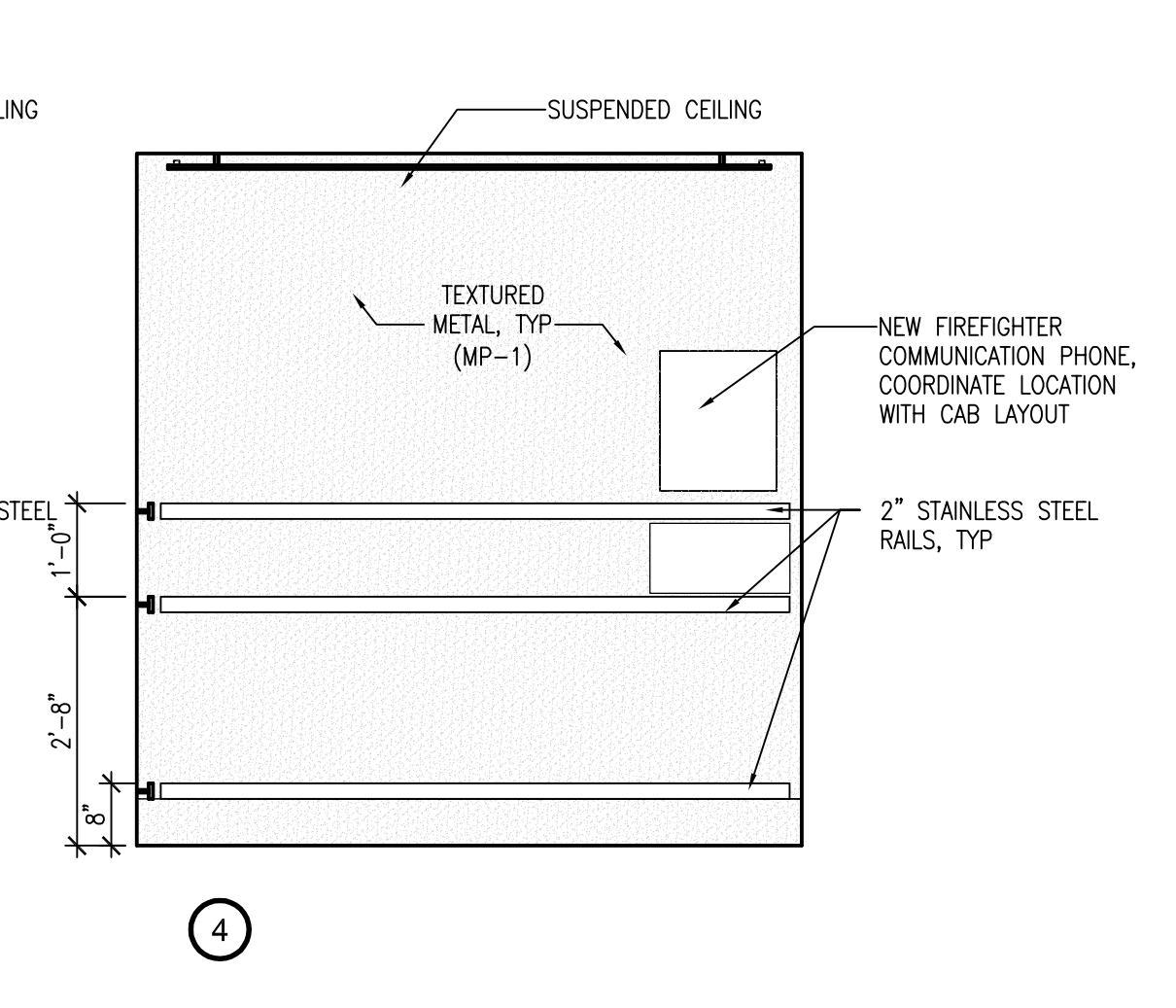
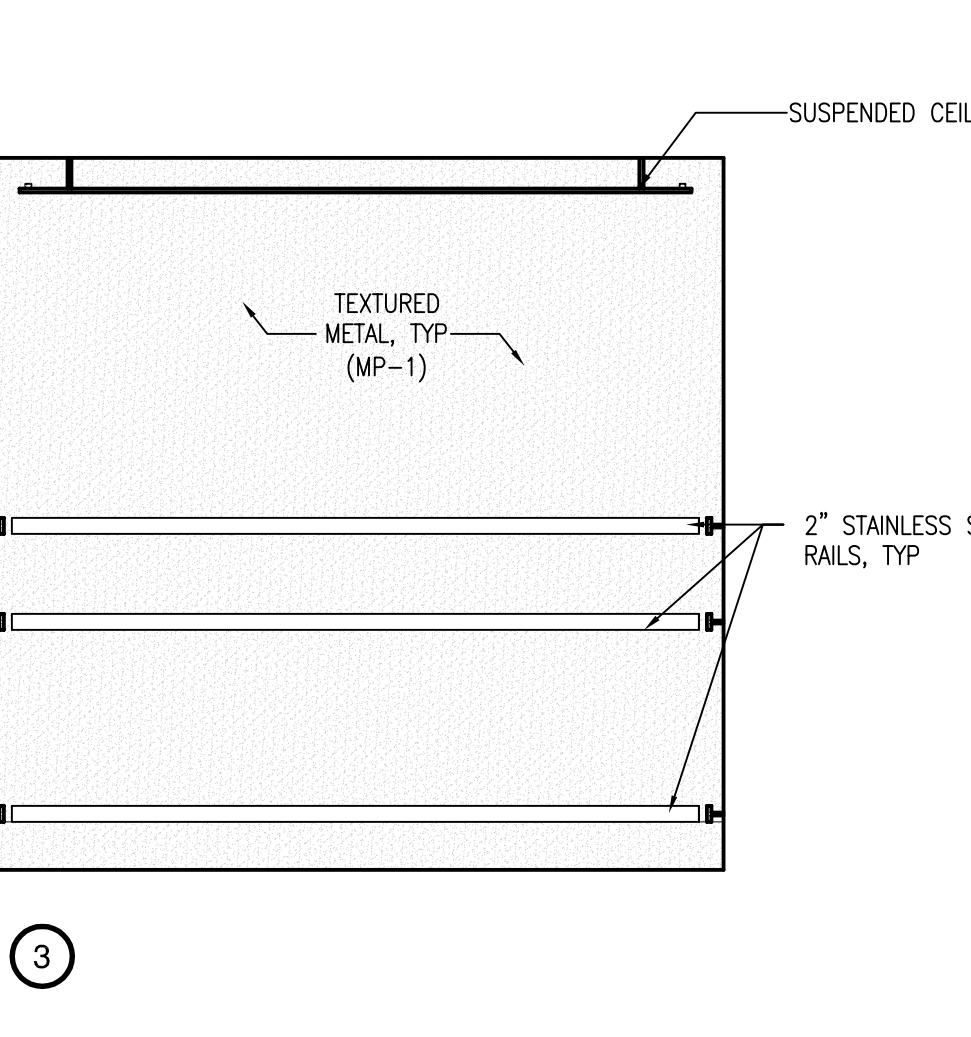
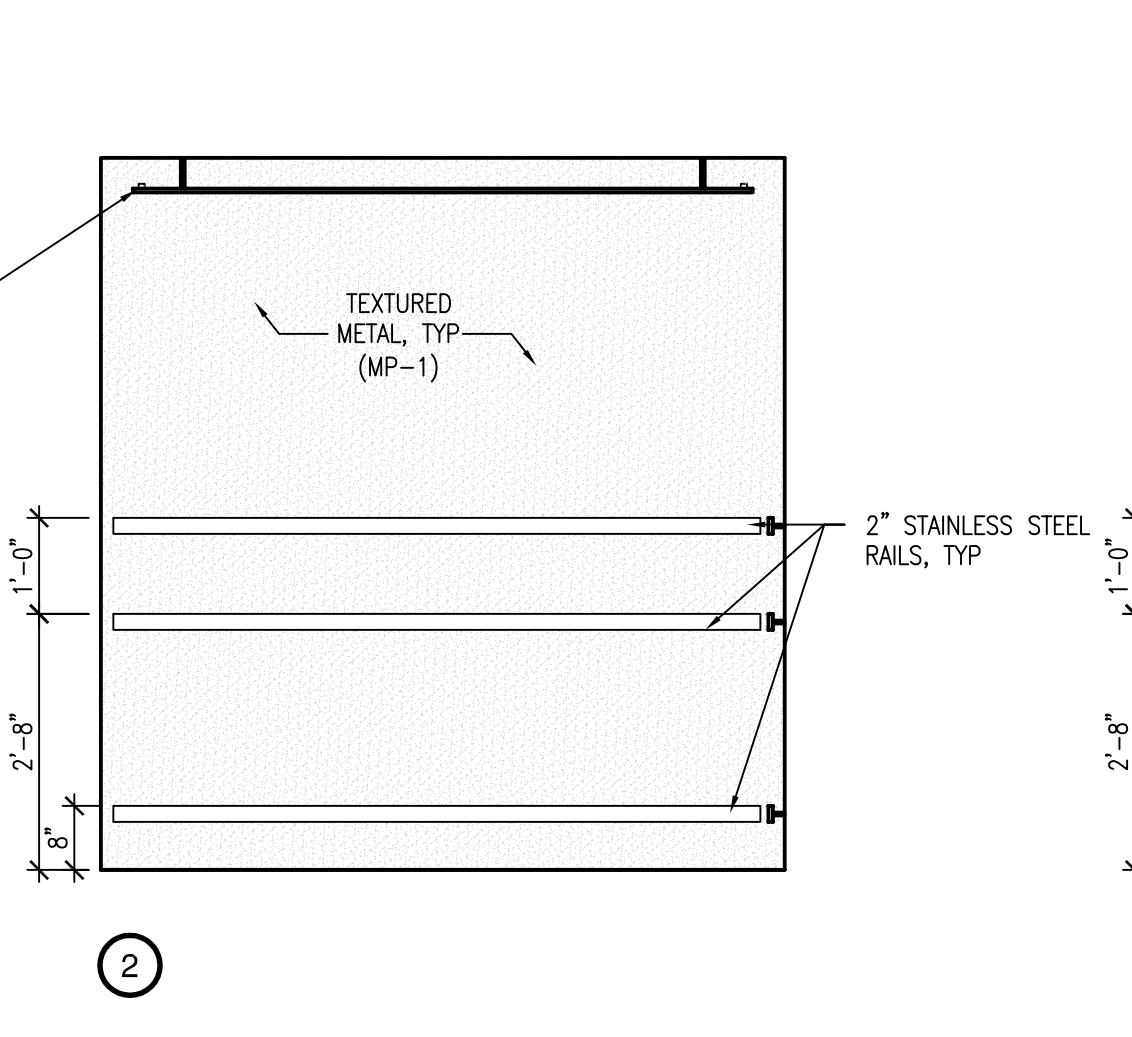
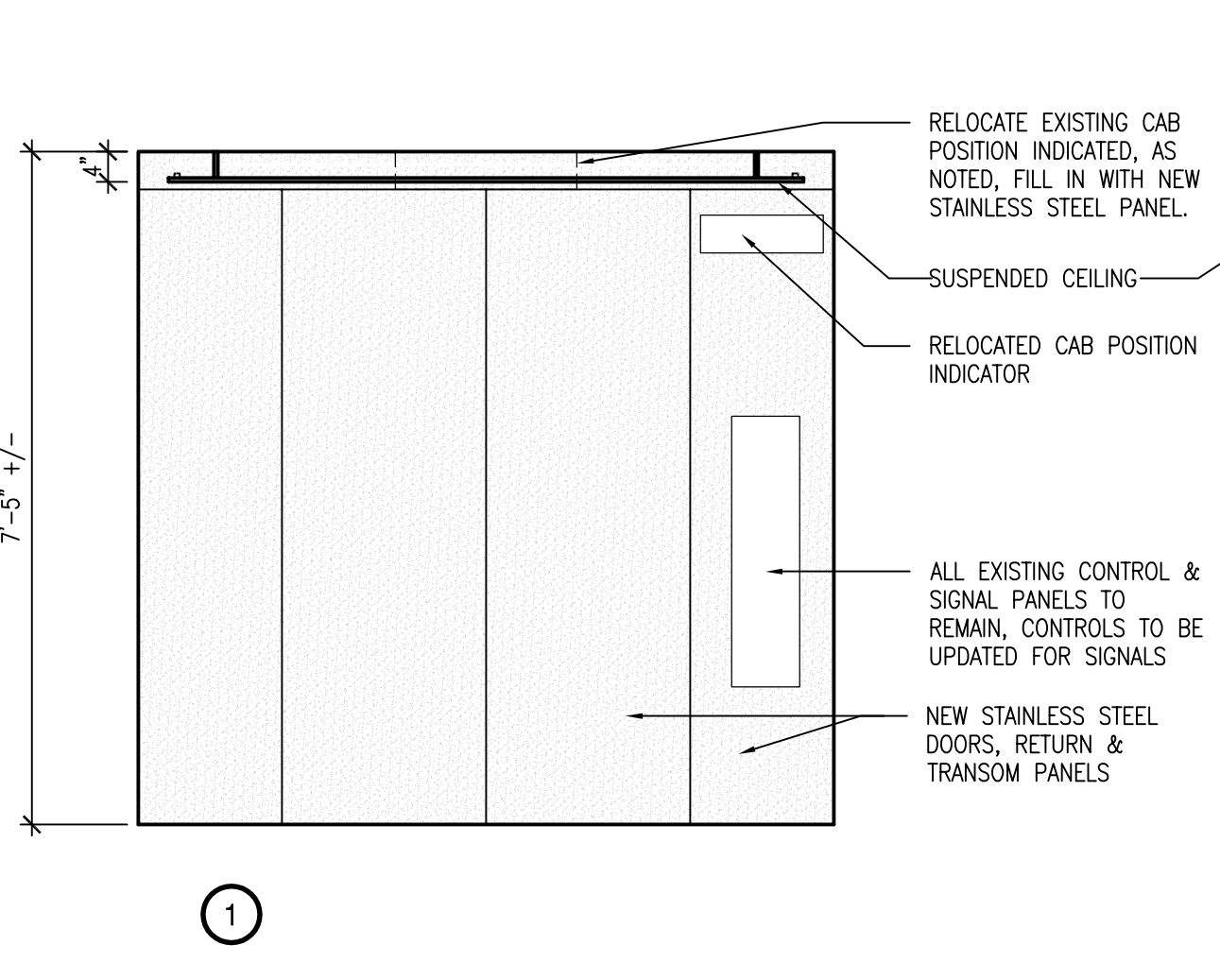
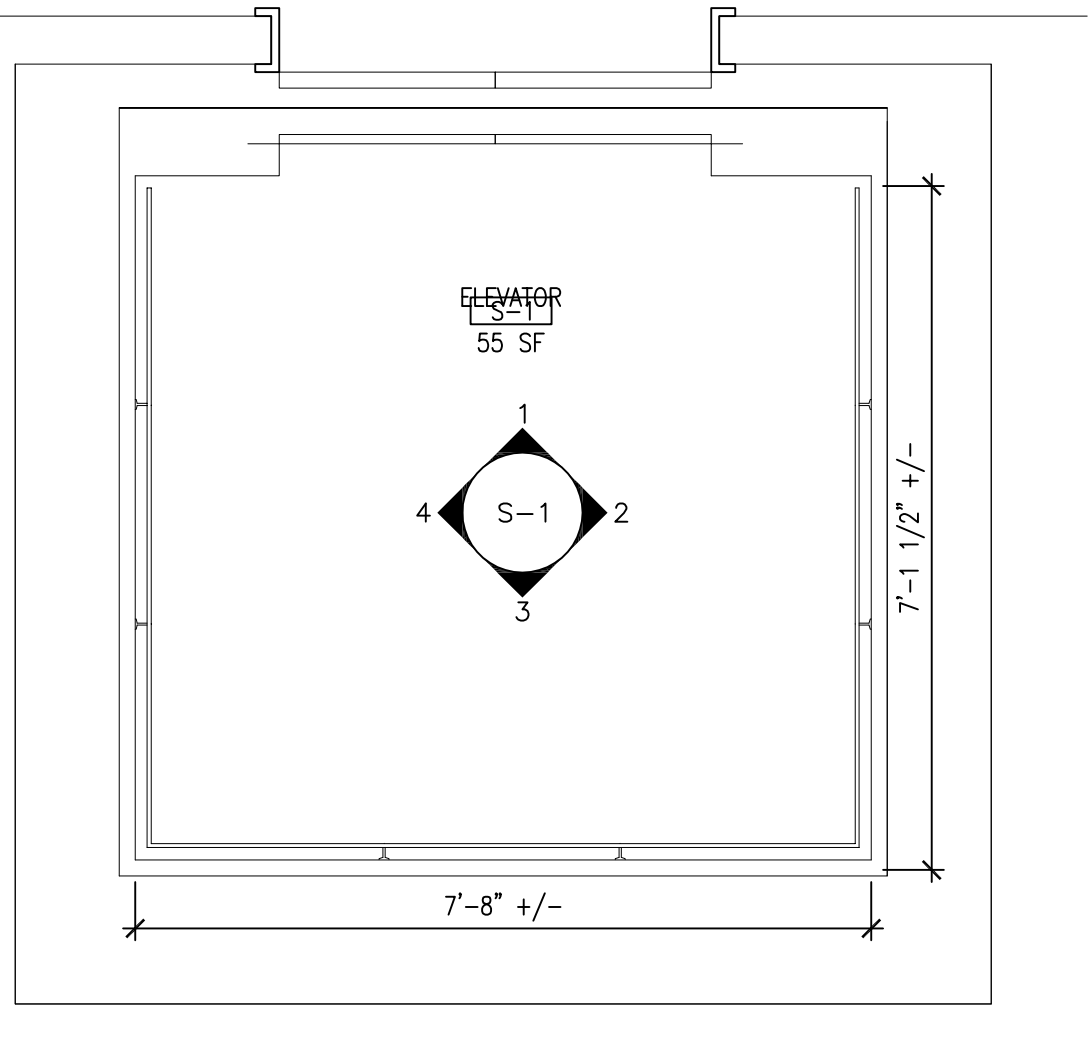
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



1 ELEVATOR No. P-7 (BID OPTION NO. 4) ALTERNATE: PANEL LAYOUT OPTION 2  
1/2"=1'-0"



2 ELEVATOR No. P-8 (BID OPTION NO. 5) ALTERNATE: PANEL LAYOUT OPTION 2  
1/2"=1'-0"



3 ELEVATOR No. S-1 (BID OPTION NO. 6) ALTERNATE: PANEL LAYOUT OPTION 2  
1/2"=1'-0"

<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b>		<b>Project Title</b>		<b>Project Number</b>		<b>Office of Construction and Facilities Management</b> Department of Veterans Affairs									
<b>Structural Engineer:</b>		<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		<b>ENLARGED ELEVATOR CAB PLANS, ELEVATIONS, + RCPS, BID OPTION 4, 5 + 6 ALT PANEL LAYOUTS</b>			<b>Elevator Upgrades and Modernization</b>		<b>650-10-106</b>						
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) 470 Atlantic Avenue, 4th Floor Boston, MA 02210		Approved Project Director			Location VAMC PROVIDENCE, RI 02980		Building Number 1						
Revision 1 Date		Revision 1 Date		Revision 1 Date		Revision 1 Date		Revision 1 Date		Date 03/23/12		Checked		Drawn		Drawing Number AI204		Dwg. 016 of 030	



ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

ELEVATOR CAB INTERIOR COLORS & MATERIAL FINISH SCHEDULE

PAINT	PLASTIC LAMINATE	DECORATIVE METAL PANELS	FLOORING
<div>PNT-1</div> <div>COLOR: TO MATCH BENJAMIN MOORE MANCHESTER TAN HC-61 FINISH: EGGSHELL USE: ALL CAB WALLS UNLESS OTHERWISE NOTED</div>	<div>PL-1</div> <div>STYLE: FIBER REINFORCED LAMINATE COLOR: TO MATCH NEVAMAR CALUNA CHERRY WC2001T USE: WALL PANELS AS NOTED</div>	<div>MP-1</div> <div>STYLE: TO MATCH RIGIDIZED METALS PATTERN UNEN FINISH: STAINLESS STEEL USE: PANELS AS NOTED</div>	<div>RB-1</div> <div>MANUF: TO MATCH ATMOSPHERE STYLE: STRUCTURE COLOR: TM904 ELEMENTAL GREY USE: ALL ELEVATOR FLOORING, UNLESS OTHERWISE NOTED</div>
<div>PNT-2</div> <div>COLOR: TO MATCH BENJAMIN MOORE CHINA WHITE FINISH: MATTE ALL EXISTING DIFFUSERS WITHIN ELEV. CAB TO BE PAINTED, AS NOTED.</div>	<div>PL-2</div> <div>STYLE: TO MATCH PLASTIC LAMINATE PIONEER COLOR: SW803 SUEDE EGGSHELL WHITE USE: ALL CEILING PANELS UNLESS OTHERWISE NOTED</div>	<div>MP-2</div> <div>STYLE: TO MATCH RIGIDIZED METALS PATTERN UNEN FINISH: STAINLESS STEEL USE: PANELS AS NOTED</div>	<div>RAILS</div> <div>R-1</div> <div>STYLE: 2" STAINLESS STEEL RAILS FINISH: NO. 4 USE: ALL RAILS UNLESS OTHERWISE NOTED.</div>
		<div>MP-3</div> <div>STYLE: STAINLESS STEEL FINISH: NO. 4 USE: PANELS AS NOTED, AND ALL NEW ELEVATOR DOORS AND RETURNS, UNLESS OTHERWISE NOTED.</div>	

ELEVATOR CAB FINISH SCHEDULE

ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WAINSCOT	WALL W/ DOOR OPENING	WALLS (ALL OTHER)	CEILING	NOTES	
S-1	ELEVATOR	RUBBER	N/A	MTL	SS DOOR AND RETURN	PNT	PNT 7'-4"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
P-2	ELEVATOR	RUBBER	SS BASE	N/A	ETR	PL & MP	PL 7'-6"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
P-3	ELEVATOR	RUBBER	SS BASE	N/A	ETR	PL & MP	PL 7'-6"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
P-4	ELEVATOR	RUBBER	SS BASE	N/A	ETR	PL & MP	PL 7'-4"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
S-5	ELEVATOR	RUBBER	N/A	MTL	SS DOOR AND RETURN	PNT	PNT 7'-4"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
S-6	ELEVATOR	RUBBER	N/A	MTL	SS DOOR AND RETURN	PNT	PNT 7'-8"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
P-7	ELEVATOR	RUBBER	SS BASE	N/A	ETR	PL & MP	PL 8'-3"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	
P-8	ELEVATOR	RUBBER	SS BASE	N/A	SS DOOR AND RETURN	PL & MP	PL 8'-3"	SEE COLOR & MATERIAL SCHEDULE & INT ELEVATIONS FOR ADDITIONAL FINISH INFORMATION	

GENERAL COLORS & MATERIAL FINISH SCHEDULE

PAINT	
<div>PNT-3</div> <div>COLOR: TO MATCH BENJAMIN MOORE CHANTILLY LACE 2121-70 FINISH: EGGSHELL USE: ALL WALLS AND TEMPORARY PARTITIONS UNLESS OTHERWISE NOTED</div>	<div>PNT-4</div> <div>COLOR: TO MATCH BENJAMIN MOORE SMOKE GRAY 2120-40 FINISH: SEMI-GLOSS USE: ALL HM DOORS AND FRAMES, UNLESS NOTED OTHERWISE.</div>

FINISH NOTES

1. ANY SURFACES AND AREAS THAT ARE DISTURBED BY CONSTRUCTION ARE TO BE PATCHED AND MATCHED TO EXISTING FINISHES.
2. ALL ELEVATOR DOORS AND LOBBY AREA WALLS ARE TO REMAIN, UNLESS OTHERWISE NOTED.
3. ALL ELEVATOR CABS SHOULD BE PROVIDED WITH HOOKS FOR REMOVABLE PADS.

A1 FINISH INFORMATION

NTS

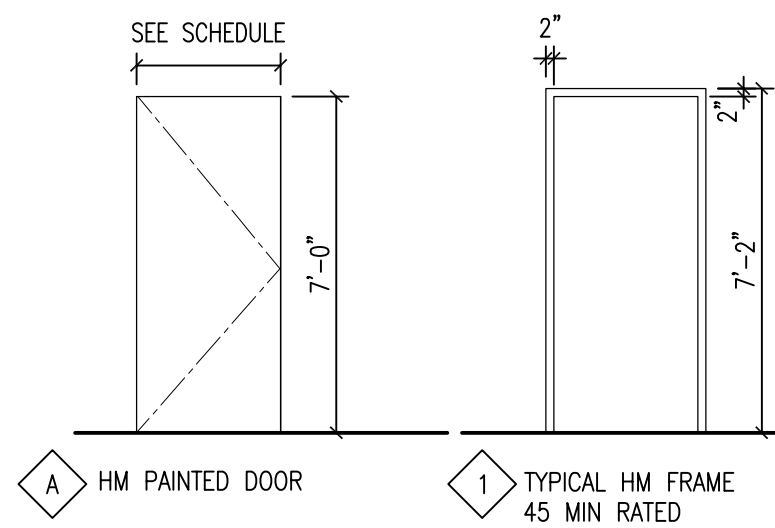
DOOR SCHEDULE

DOOR #	LOCATION	BASE BID/ BID OPTION No.	SIZE	DOOR TYPE	FRAME TYPE	NOTES
B101	S6 MACHINE ROOM	BID OPTION 3	3'-0" X 7'-0"	A	1	DEMOLISH EXISTING DOOR & REPLACE WITH CODE COMPLIANT DOOR, LABEL PER CODE
B107	P7/P8 MACHINE RM	BID OPTION 4&5	ETR	ETR	ETR	REMOVE PAINT FROM HM DOOR FRAME REPLACE HARDWARE WITH LEVER LOCKSET
B108	P7/P8 MACHINE RM	BID OPTION 4&5	ETR	ETR OR A SEE NOTE	ETR OR 1 SEE NOTE	REPLACE DOOR AND FRAME OR CONFIRM 2 HOUR FIRE RATING OF EXISTING
501	S5 MACHINE ROOM	BID OPTION 2	ETR	ETR	ETR	INSTALL SIGNAGE ON DOOR "ELEVATOR MACHINE ROOM NO STORAGE ALLOWED" REPLACE HARDWARE WITH LEVER LOCKSET
901	STAIR C	BASE BID	ETR	ETR	ETR	INSTALL SIGNAGE ON DOOR "ELEVATOR MACHINE ROOM NO STORAGE ALLOWED" REPLACE HARDWARE WITH LEVER LOCKSET

NOTE: ALL DOORS TO BE 90 MIN RATED WITH LOCKING HARDWARE, DOOR CLOSER AND STAINLESS STEEL KICKPLATE.

A2 DOOR SCHEDULES

NTS



A3 DOOR & FRAME TYPES

1/4"=1'-0"

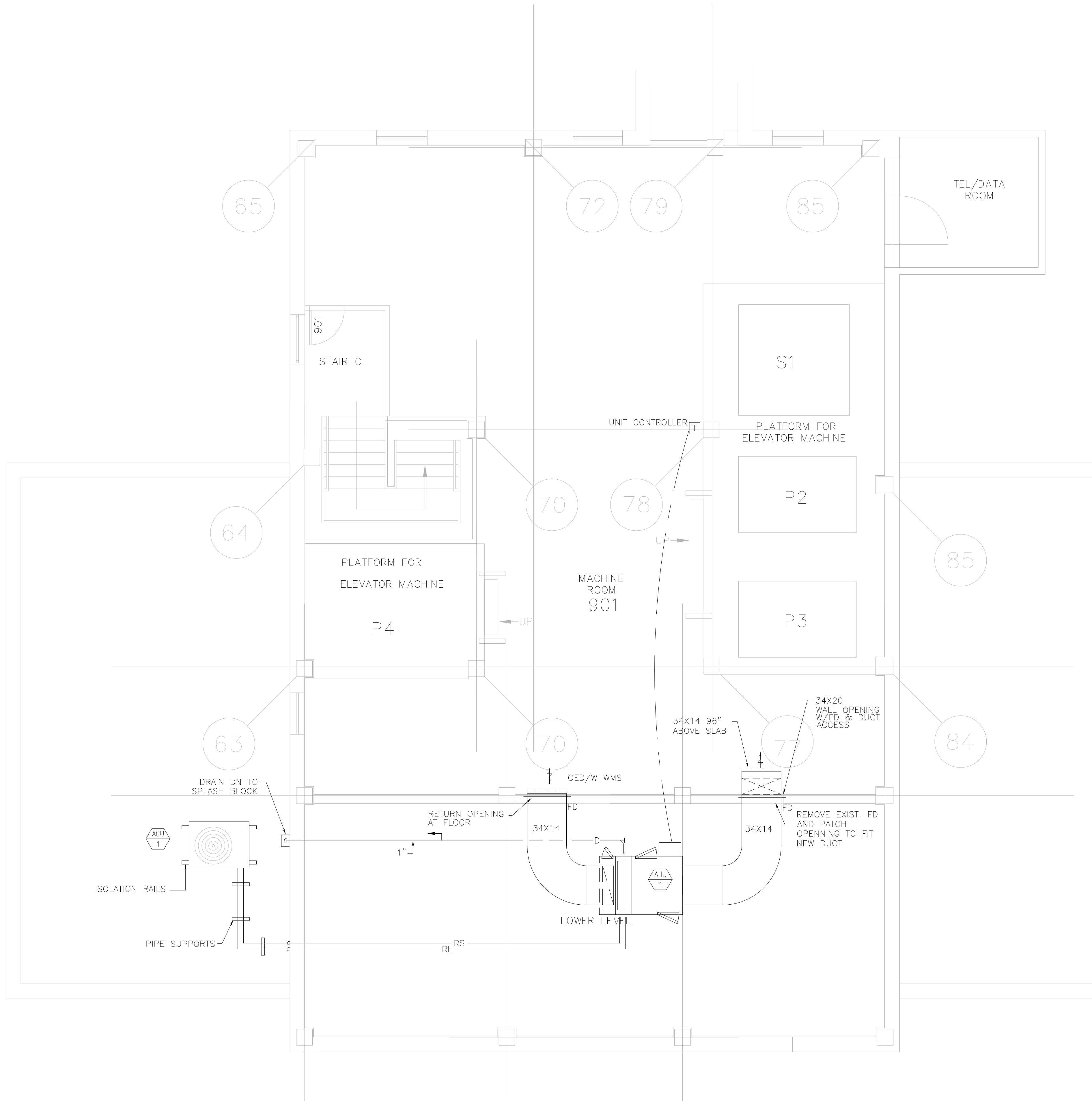


ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

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three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
one-fifth inch = one foot  
one-quarter inch = one foot  
one-half inch = one foot  
one-eighth inch = one foot  
three-eighths inch = one foot  
one-eighth inch = one foot

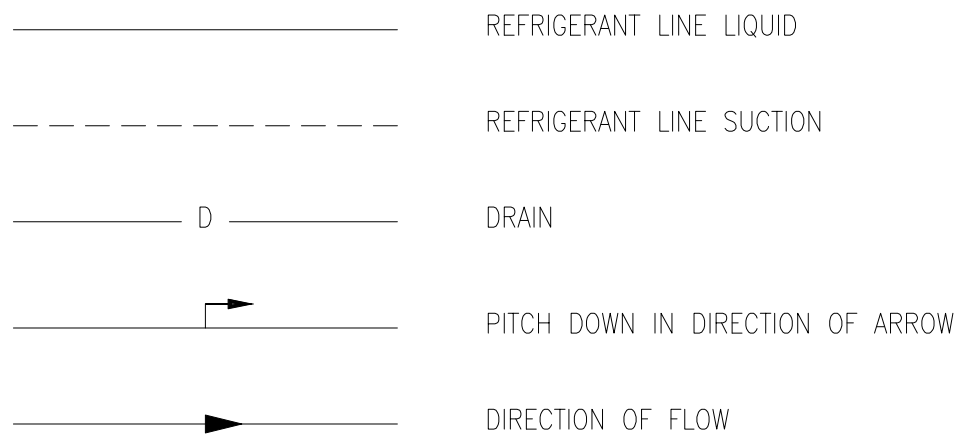


ELEVATOR Nos. P2, P3 & P4 – BUILDING 1  
ELEVATOR MACHINE ROOM PLAN – PENTHOUSE (NINTH FLOOR)  
1/4"=1'-0"

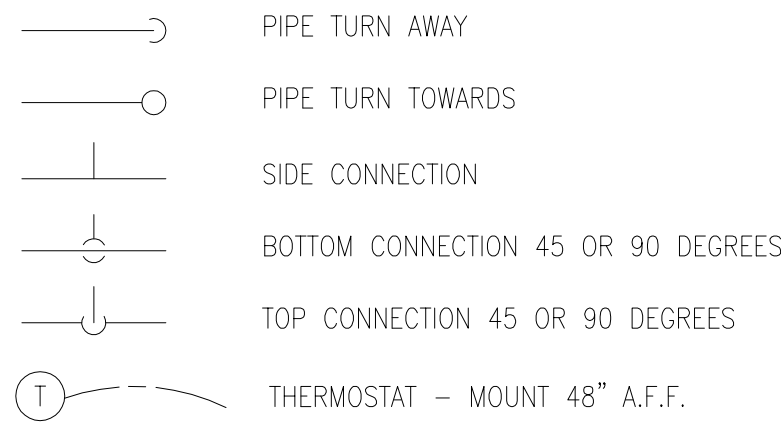
AIR HANDLING UNIT SCHEDULE																													
ITEM	MFG'R	MODEL	SERVICE	LOCATION	CFM	FAN DATA					DX EVAPORATOR COIL DATA							FILTER DATA			OUTDOOR CONDENSER DATA						REMARKS		
						TSP	RPM	HP	V	ø	EAT DB	EAT WB	LAT DB	LAT WB	REFRIG. TYPE	ROWS	TOTAL MBH REQ'D.	AREA	PD.	FACE VEL.	MERV	MODEL	V	PHASE	MAX AMPACITY	MOTOR NO		RLA	LRA
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- ① UNIT WEIGHT= 894 lb  
② UNIT TO BE HUNG FROM STRUCTURE MIN. 10'-0" AFF

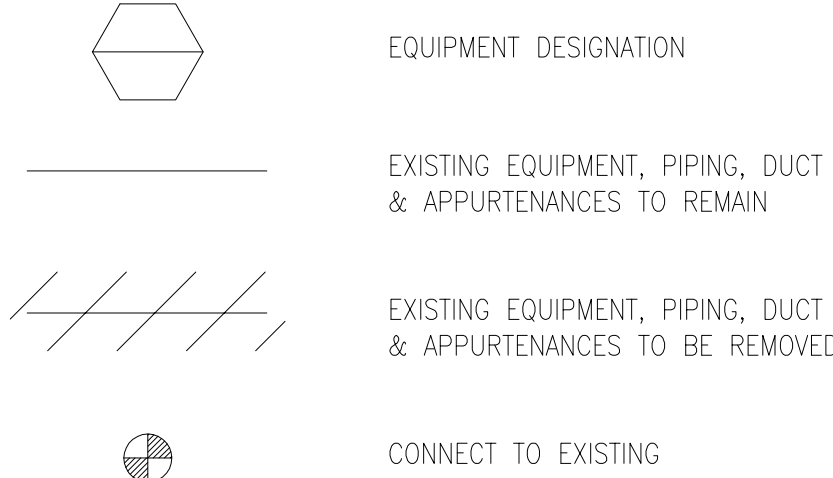
PIPING



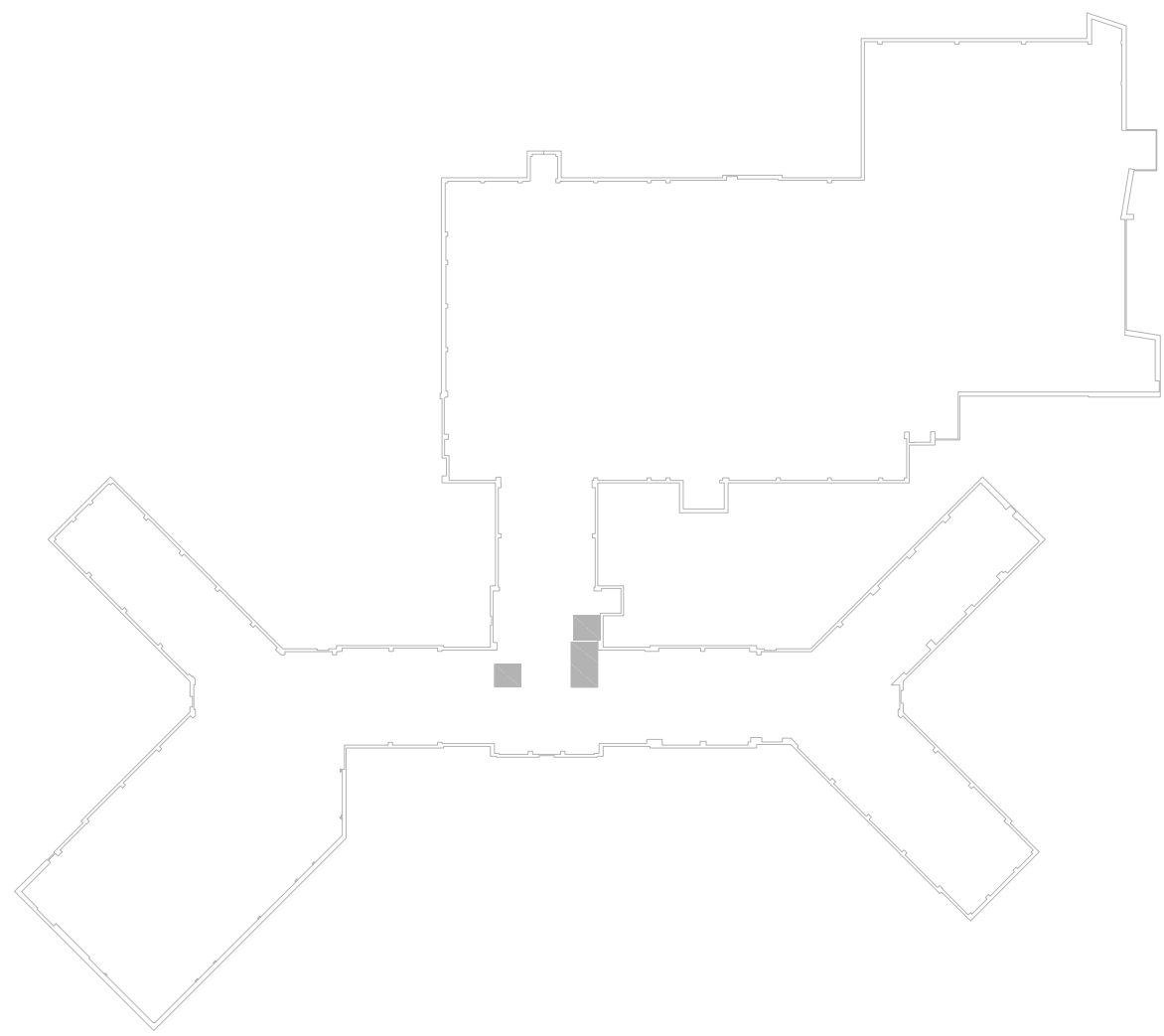
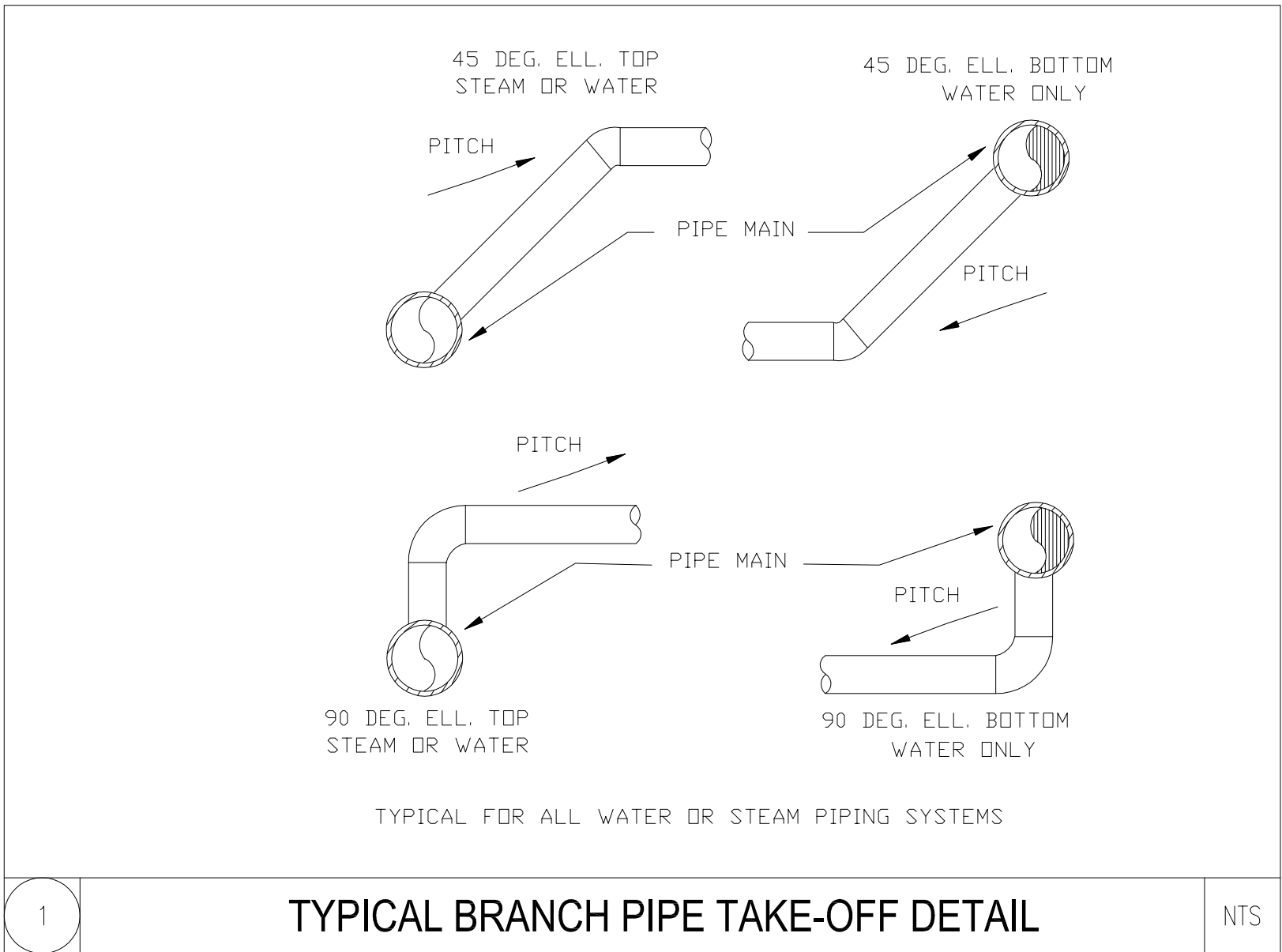
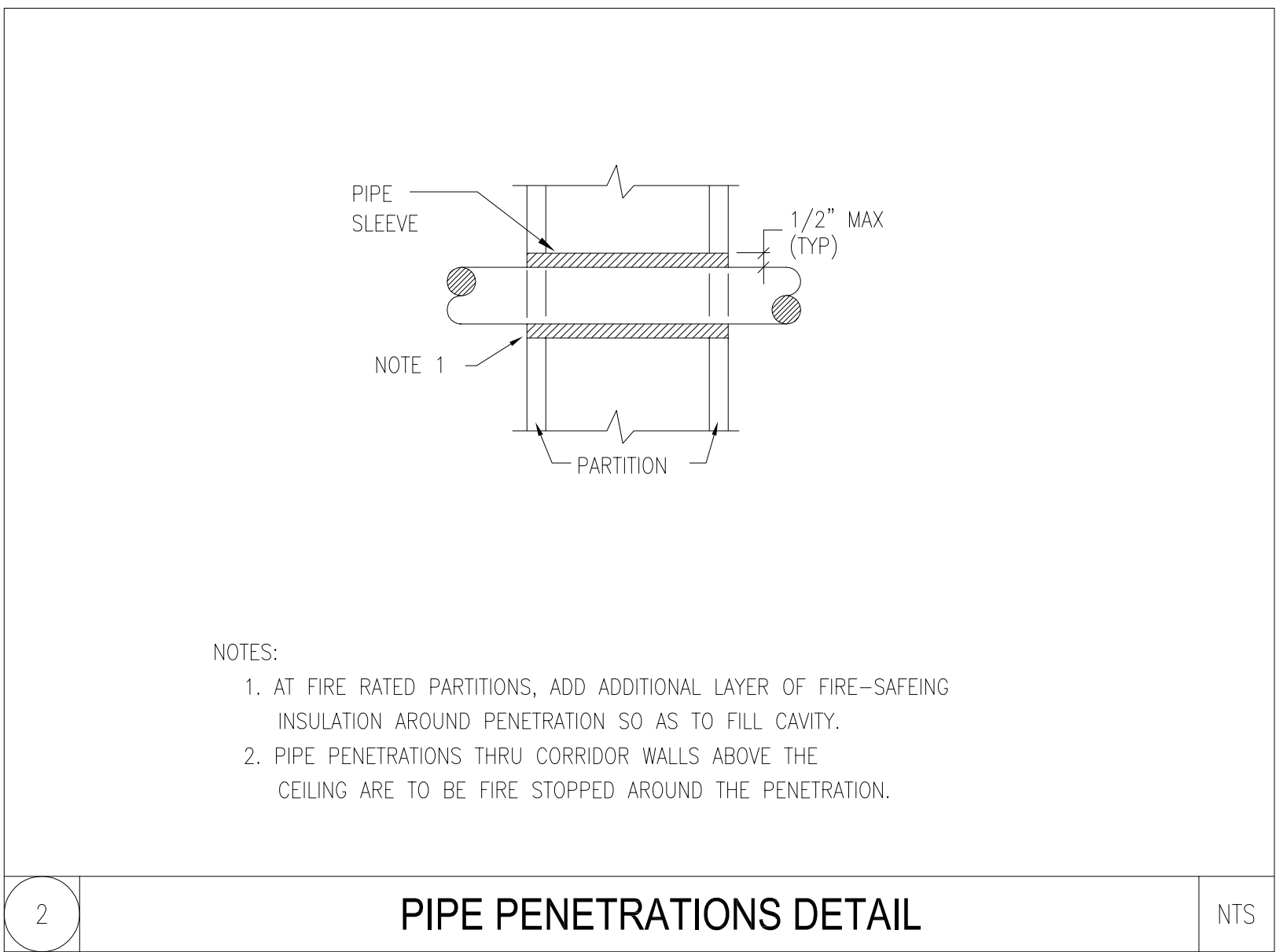
VALVES



GENERAL



GENERAL NOTE:  
PROVIDE PACKAGE UNIT CONTROLS FROM THE MANUFACTURER WITH INTERCONNECTING WIRING. UNIT MANUFACTURER SHALL PROVIDE ALARM CONTACTS FOR COMMUNICATION WITH THE EXISTING BUILDING MANAGEMENT SYSTEM.



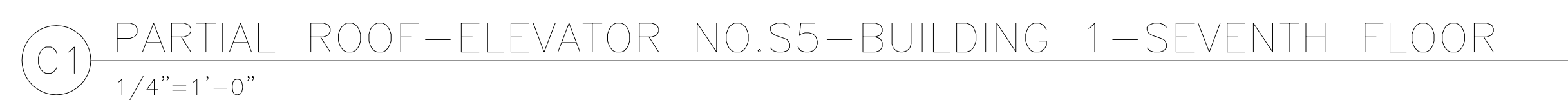
KEY PLAN – ELEVATOR P2,P3 & P4  
BUILDING 1 – (BASE BID)  
N.T.S.



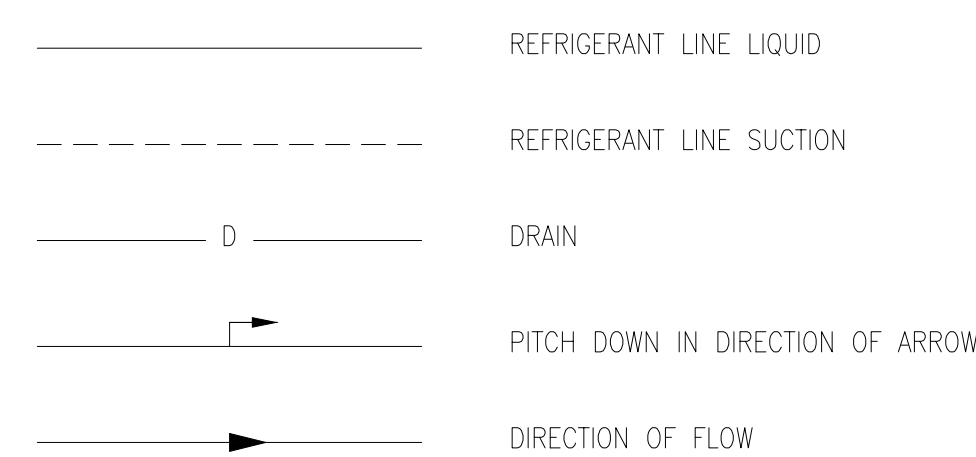
ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

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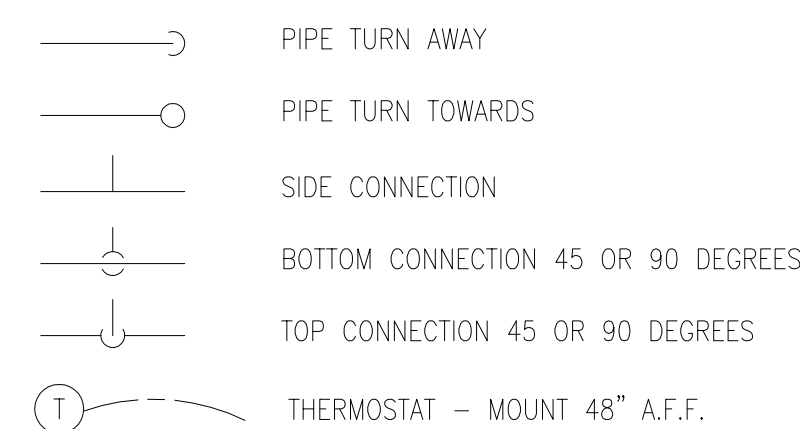




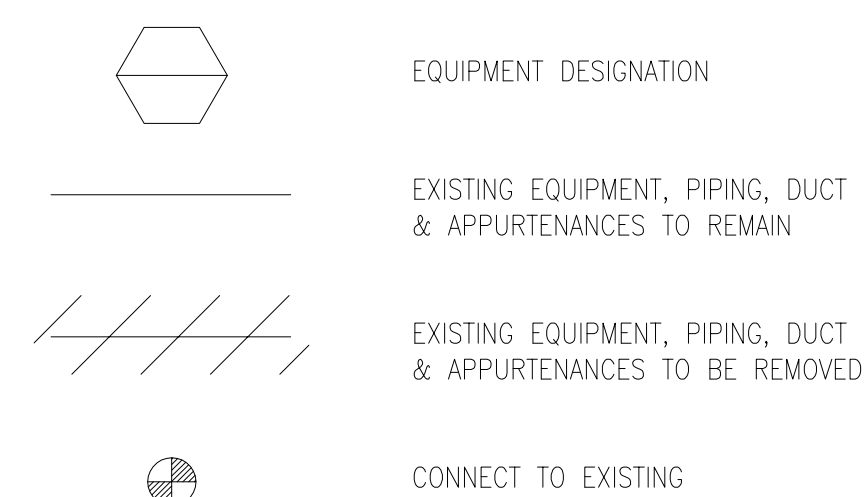
## PIPING



## VALVES



## GENERAL



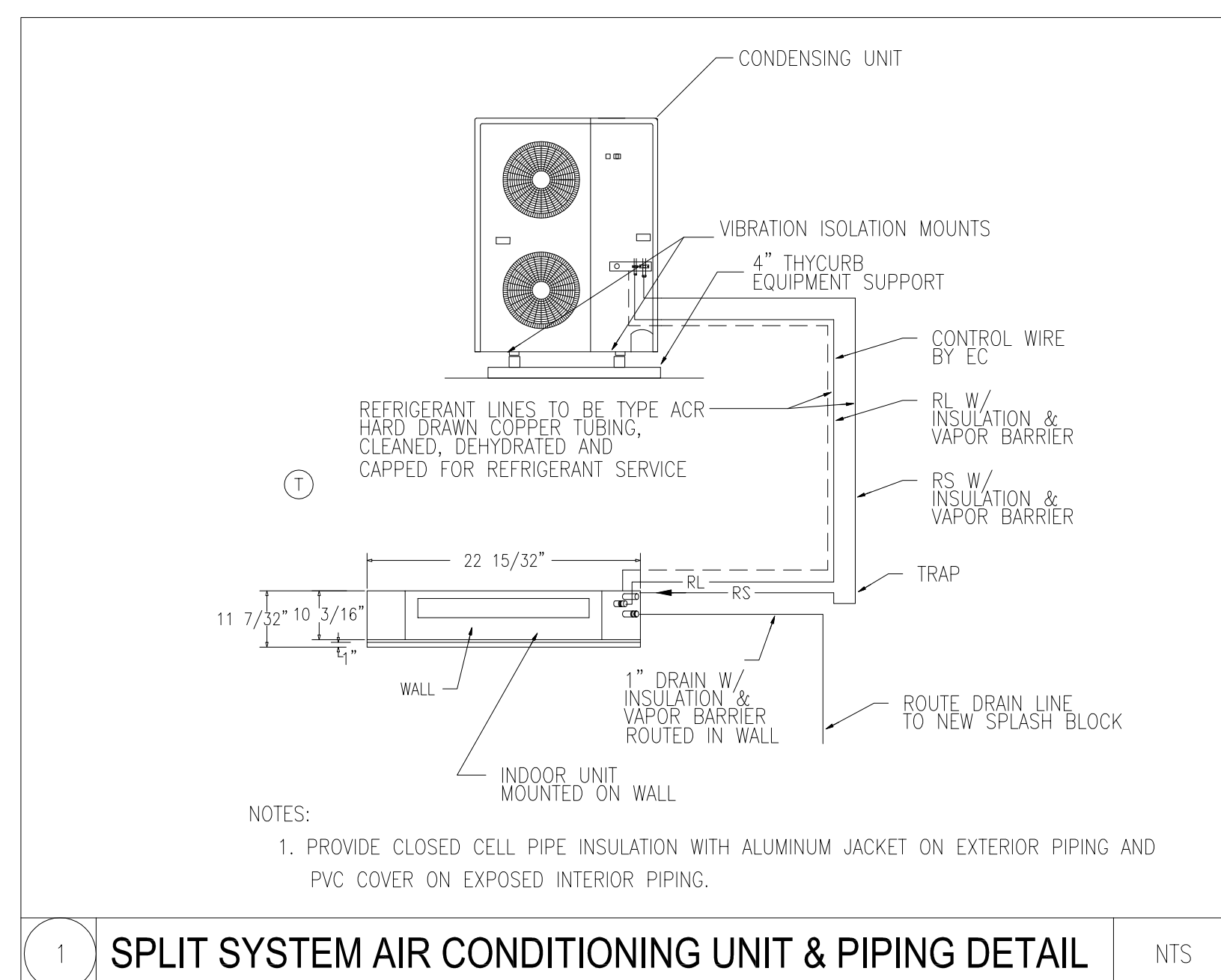
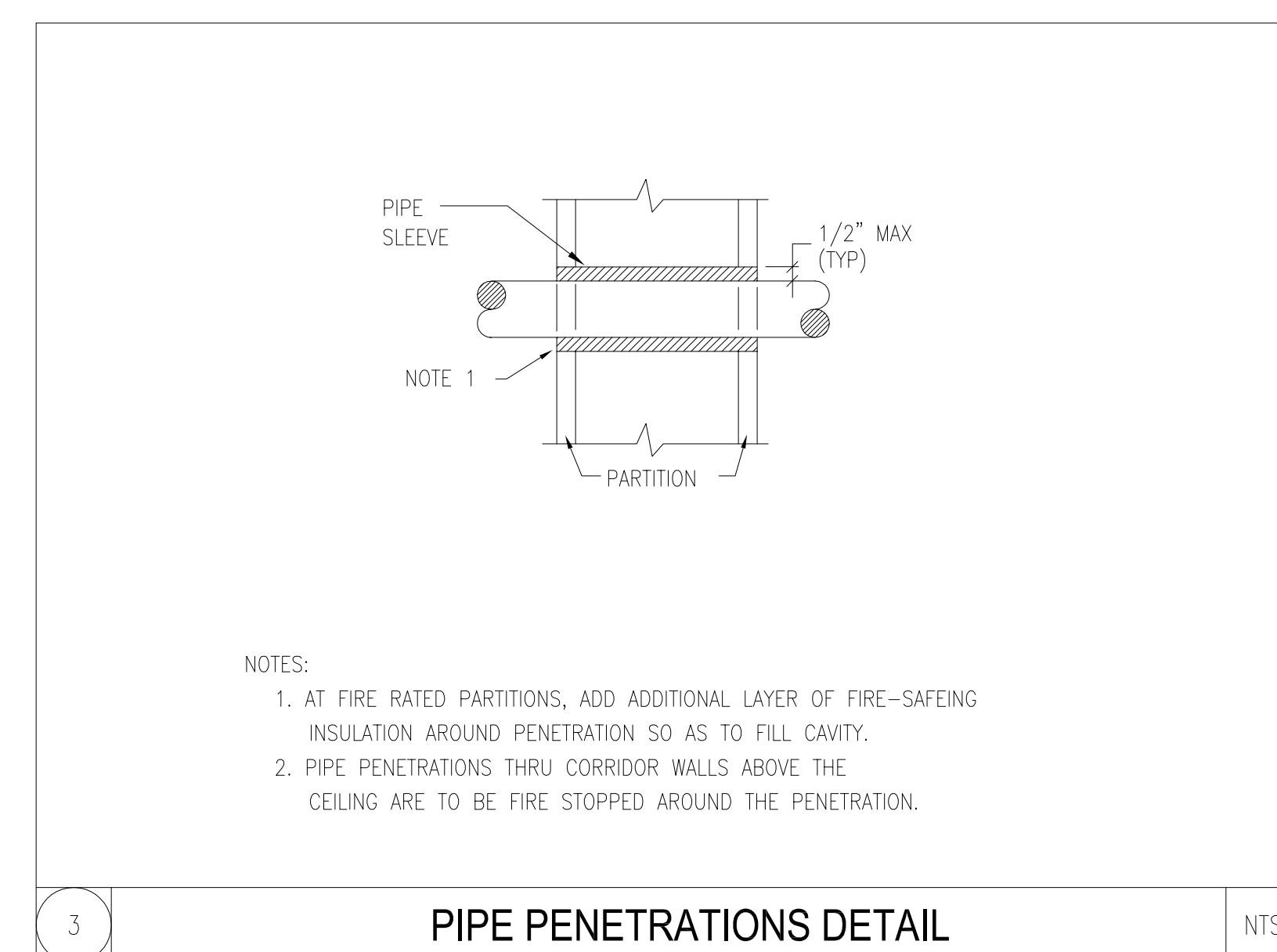
## ABBREVIATIONS

		HVAC	HEATING, VENTILATING & AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
AFR	ABOVE FINISHED ROOF	MAX	MAXIMUM
AP	ACCESS PANEL	MIN	MINIMUM
ATC	AUTOMATIC TEMPERATURE CONTROL	OED	OPEN ENDED DUCT
CTE	CONNECT TO EXISTING	PC	PUMPING CONTRACTOR
CFM	CUBIC FEET PER MINUTE	PD	PRESSURE DROP (FEET OF WATER)
DB	DRY BULB TEMP. DEGREES F.	R	RETURN AIR DEVICE
E	EXHAUST AIR DEVICE	RA	RETURN AIR
EA	EXHAUST AIR	S	SUPPLY AIR DEVICE
EAT	ENTERING AIR TEMP. DEGREES F.	SA	SUPPLY AIR
EC	ELECTRICAL CONTRACTOR	TB	TERMINAL BOX
EF	EXHAUST FAN	VD	VOLUME DAMPER
EWT	ENTERING WATER TEMP. DEGREES F.	WB	WET BULB TEMP. DEGREES F.
GC	GENERAL CONTRACTOR	WMS	WIRE MESH SCREEN
GPM	GALLONS PER MINUTE	XM	EXISTING TO REMAIN

## DUCTLESS SPLIT-TYPE AIR CONDITIONER SCHEDULE

[illegible]

2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONTROL WIRING FROM ACCU TO AC UNIT, REFER TO INSTALLATION MANUAL, WIRE TO BE SPECIFIED UNDER ELECTRICAL SECTION.



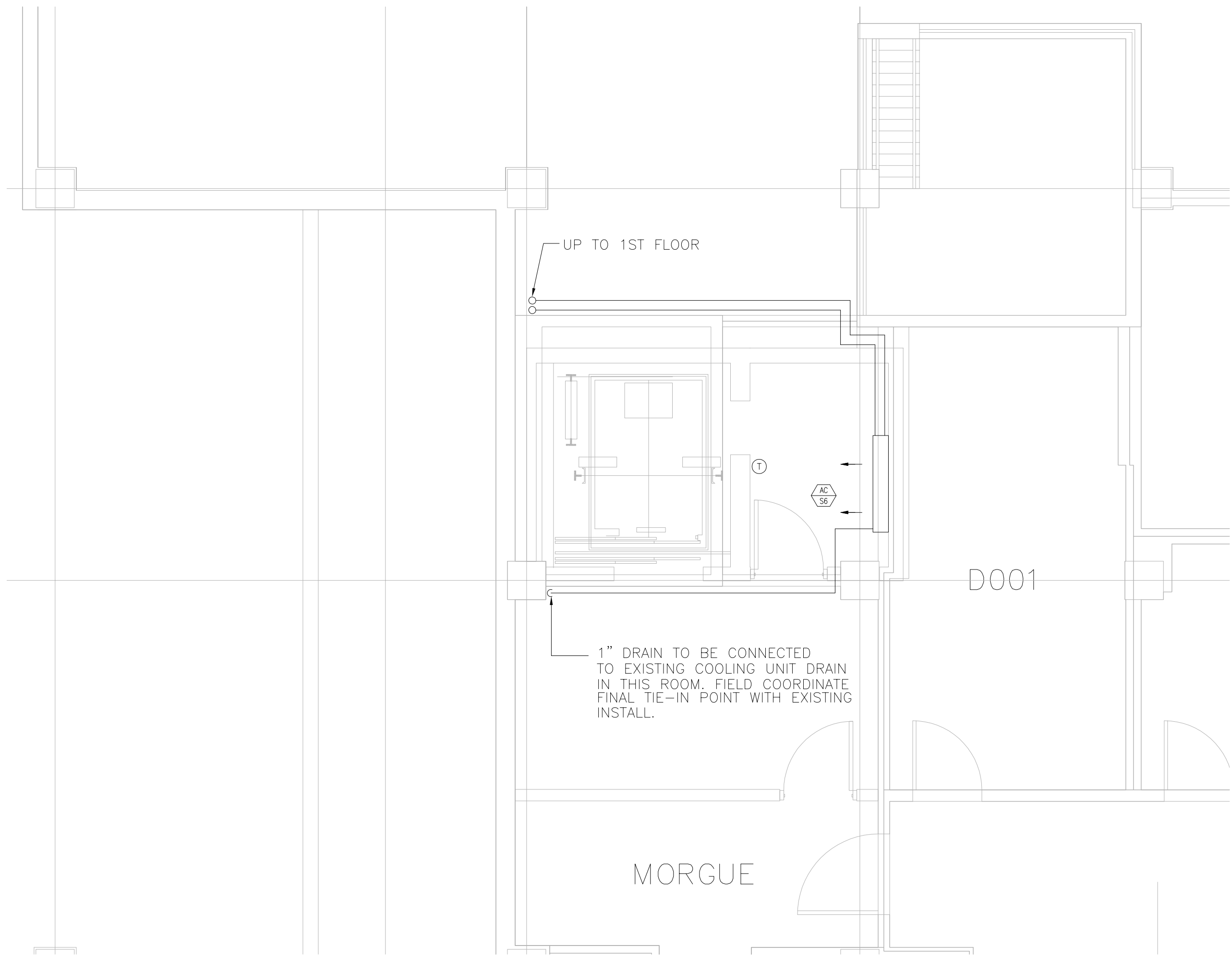
KEY PLAN - ELEVATOR S5, BUILDING 1  
(BID OPTION No.2)



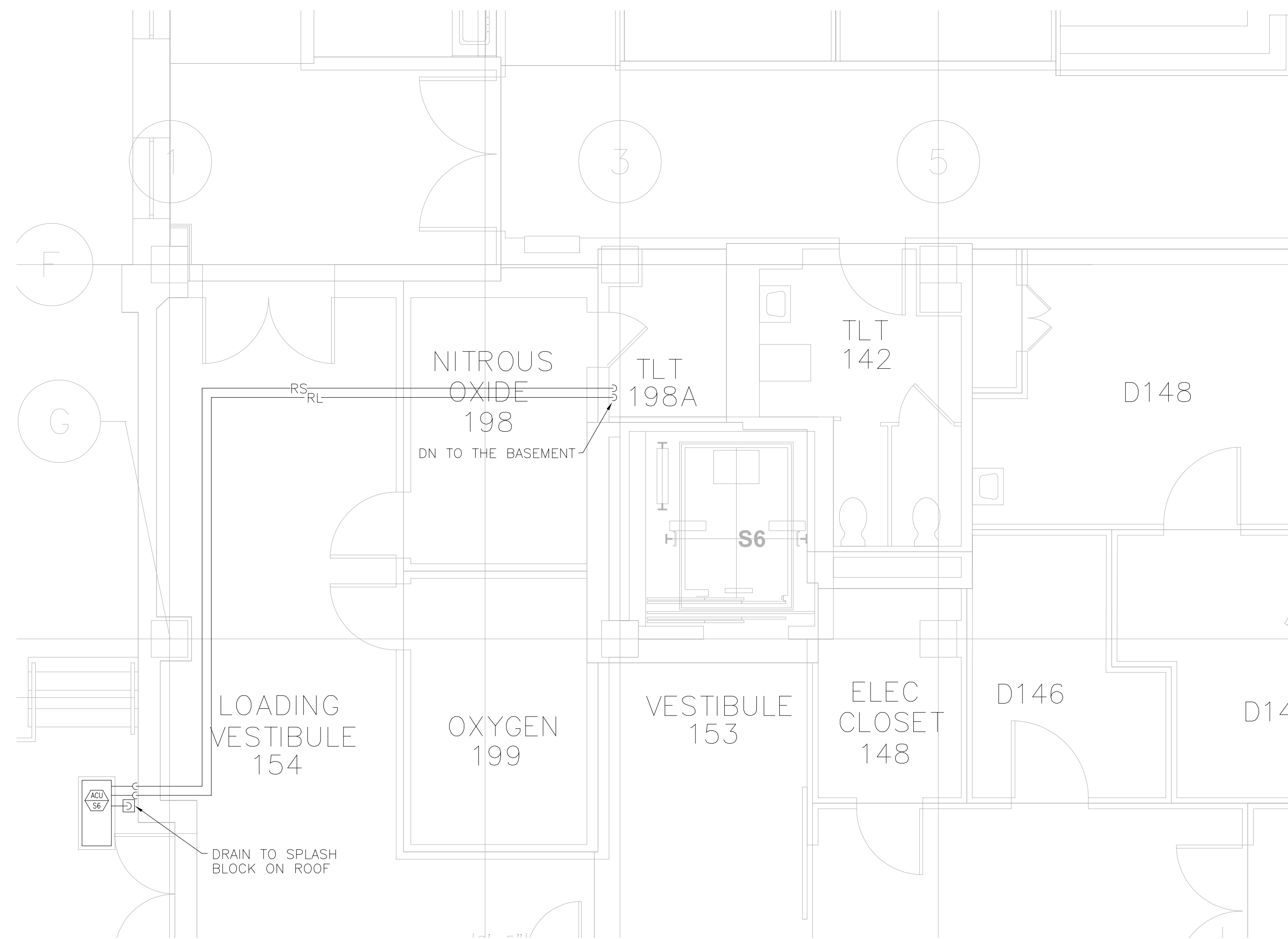
ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

[illegible]





C2 HOISTWAY AND MACHINE ROOM PLAN ELEVATOR No. S6  
BUILDING 1 – BASEMENT  
1/4"=1'-0"



F2 HOISTWAY PLAN – ELEVATOR No. S6 – BUILDING 1 – FIRST FLOOR  
1/4"=1'-0"

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	HVAC	HEATING, VENTILATING & AIR CONDITIONING
AFR	ABOVE FINISHED ROOF	MC	MECHANICAL CONTRACTOR
AP	ACCESS PANEL	MAX	MAXIMUM
ATC	AUTOMATIC TEMPERATURE CONTROL	MIN	MINIMUM
CTE	CONNECT TO EXISTING	OED	OPEN ENDED DUCT
CFM	CUBIC FEET PER MINUTE	PC	PLUMBING CONTRACTOR
DB	DRY BULB TEMP. DEGREES F.	PD	PRESSURE DROP (FEET OF WATER)
E	EXHAUST AIR DEVICE	R	RETURN AIR DEVICE
EA	EXHAUST AIR	RA	RETURN AIR
EAT	ENTERING AIR TEMP. DEGREES F.	S	SUPPLY AIR DEVICE
EC	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
EF	EXHAUST FAN	TB	TERMINAL BOX
EWI	ENTERING WATER TEMP. DEGREES F.	VD	VOLUME DAMPER
GC	GENERAL CONTRACTOR	WB	WET BULB TEMP. DEGREES F.
GPM	GALLONS PER MINUTE	WMS	WIRE MESH SCREEN
		XM	EXISTING TO REMAIN

PIPING

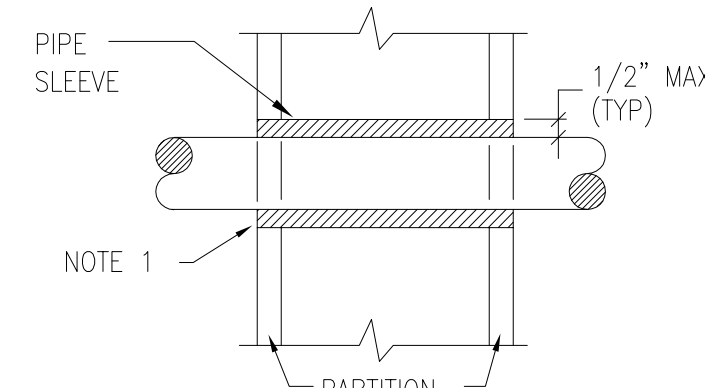
	REFRIGERANT LINE LIQUID
	REFRIGERANT LINE SUCTION
	DRAIN
	PITCH DOWN IN DIRECTION OF ARROW
	DIRECTION OF FLOW

VALVES

	PIPE TURN AWAY
	PIPE TURN TOWARDS
	SIDE CONNECTION
	BOTTOM CONNECTION 45 OR 90 DEGREES
	TOP CONNECTION 45 OR 90 DEGREES
	THERMOSTAT – MOUNT 48" A.F.F.

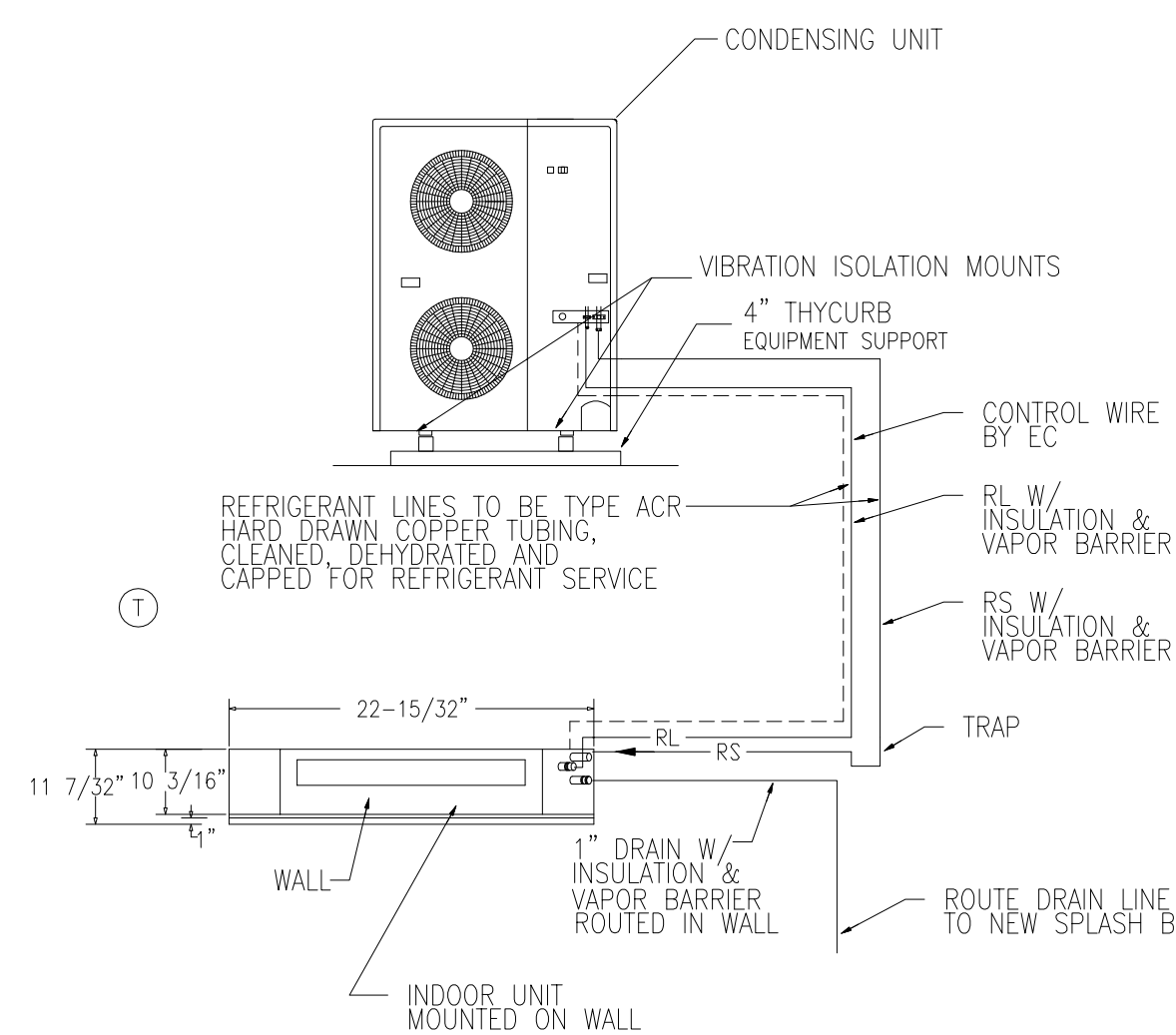
GENERAL

	EQUIPMENT DESIGNATION
	EXISTING EQUIPMENT, PIPING, DUCT & APPURTENANCES TO REMAIN
	EXISTING EQUIPMENT, PIPING, DUCT & APPURTENANCES TO BE REMOVED
	CONNECT TO EXISTING



- NOTES:
- AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE-SAFEGING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
  - PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

3 PIPE PENETRATIONS DETAIL



- NOTES:
- PROVIDE CLOSED CELL PIPE INSULATION WITH ALUMINUM JACKET ON EXTERIOR PIPING AND PVC COVER ON EXPOSED INTERIOR PIPING.

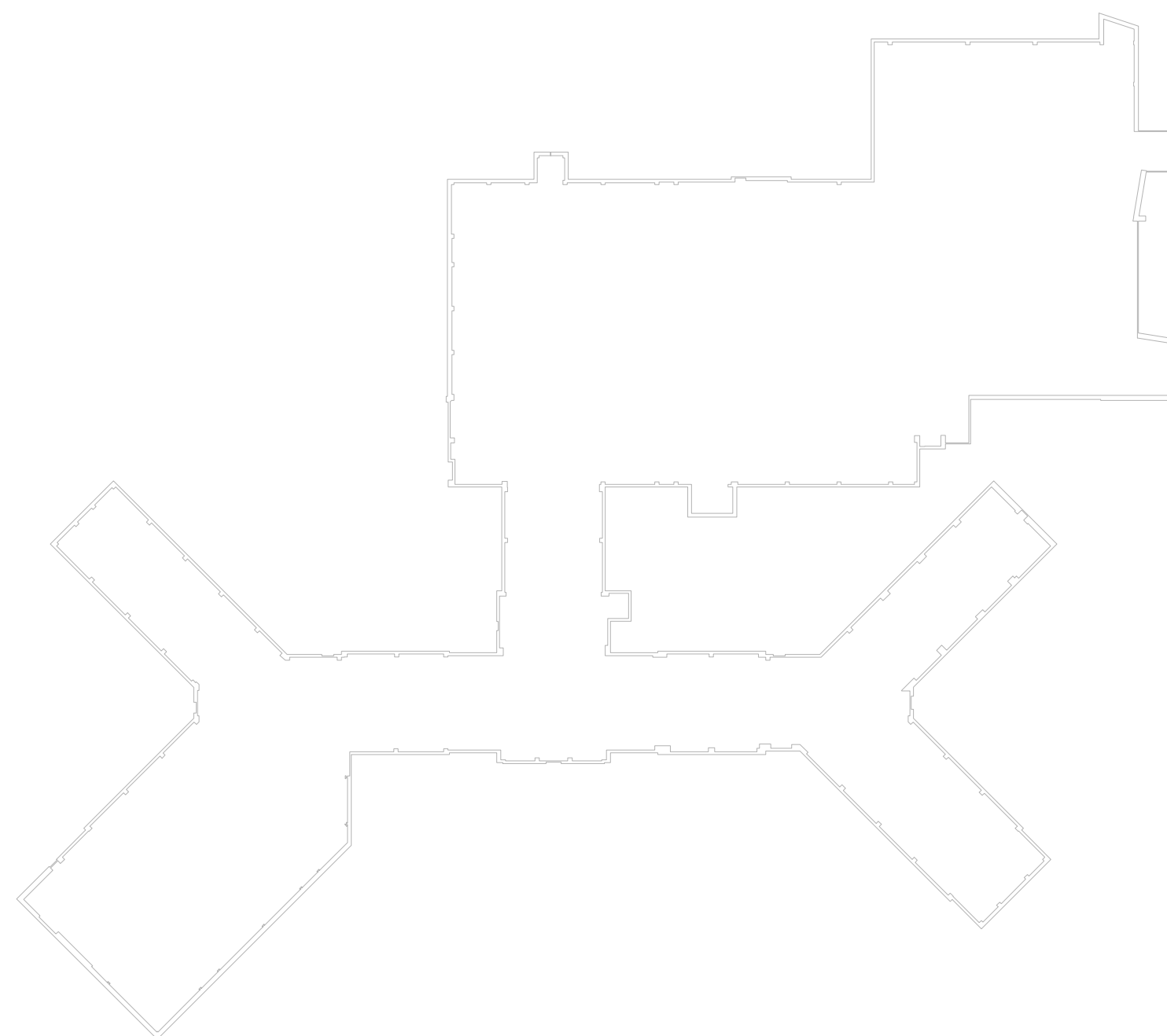
1 SPLIT SYSTEM AIR CONDITIONING UNIT & PIPING DETAIL

<div>ACCU</div> <div>AC</div>		DUCTLESS SPLIT-TYPE AIR CONDITIONER SCHEDULE														
ITEM	MFG'R	INDOOR UNIT/ OUTDOOR UNIT MODEL		TOTAL BTUH	HEAT BTUH	INDOOR FAN DATA		INDOOR ELEC. DATA			OUTDOOR COMP. DATA	OUTDOOR ELEC. DATA			REMARKS	
		KS0971	C0971			A	CFM	VOLTS	Φ	Hz	MCA	VOLTS	Φ	Hz		
AC-S6	ACCU-S6	SONYO		9,000	---	20	200-280	115	1	60	-		115	1	60	PIPE SIZE PER INSTALLATION MANUAL

- 1.PROVIDE A WALL MOUNTED THERMOSTAT FOR AC UNIT. WIRELESS REMOTE CONTROLLER INCLUDED.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONTROL WIRING FROM ACCU TO AC UNIT, REFER TO INSTALLATION MANUAL. WIRE TO BE SPECIFIED UNDER ELECTRICAL SECTION.

GENERAL NOTE:

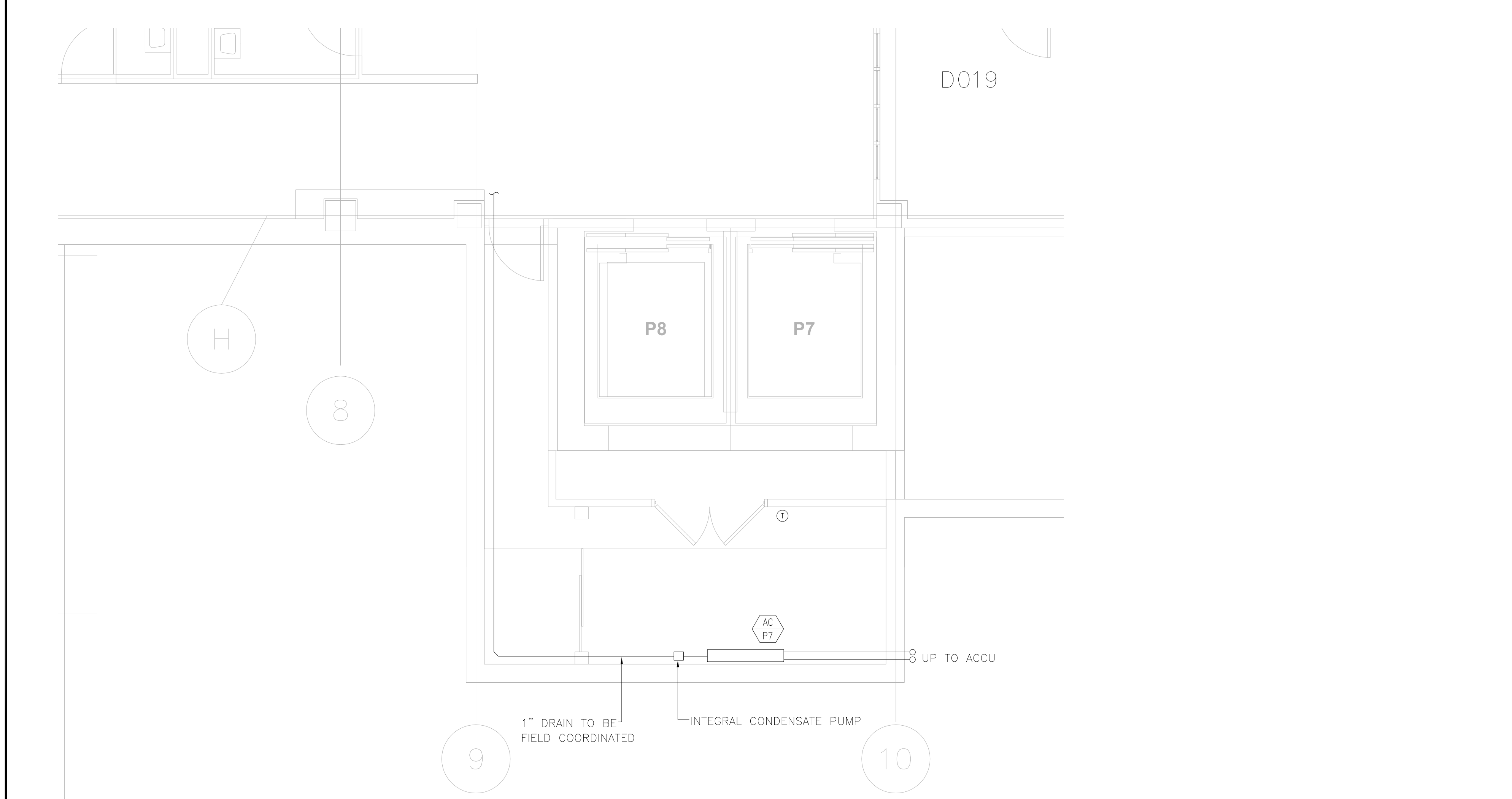
PROVIDE PACKAGE UNIT CONTROLS FROM THE MANUFACTURER WITH INTERCONNECTING WIRING. UNIT MANUFACTURER SHALL PROVIDE ALARM CONTACTS FOR COMMUNICATION WITH THE EXISTING BUILDING MANAGEMENT SYSTEM.



F8 KEY PLAN – ELEVATOR S6, BUILDING 1  
(BID OPTION No.3)  
NTS

<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b> <b>HVAC</b> <b>OPTION 3</b>		<b>Project Title</b> Elevator Upgrades and Modernization		<b>Project Number</b> 650-10-106		<b>Office of Construction and Facilities Management</b> 	
<b>Structural Engineer:</b> Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		<b>MEP/FP Engineers:</b> Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		 HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700		<b>Location</b> VAMC PROVIDENCE, RI 02980		<b>Building Number</b> 1			
<b>Environmental Engineers</b> CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		<b>Vertical Transportation Specialist</b> VDA (Van Deusen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116		<b>Approved: Project Director</b>		<b>Date</b> 03/23/12		<b>Checked</b> KES			
<b>Revisions</b>		<b>Date</b>		<b>Drawn</b> AP		<b>Dwg.</b> 020 of 030		<b>MH4.03</b>			



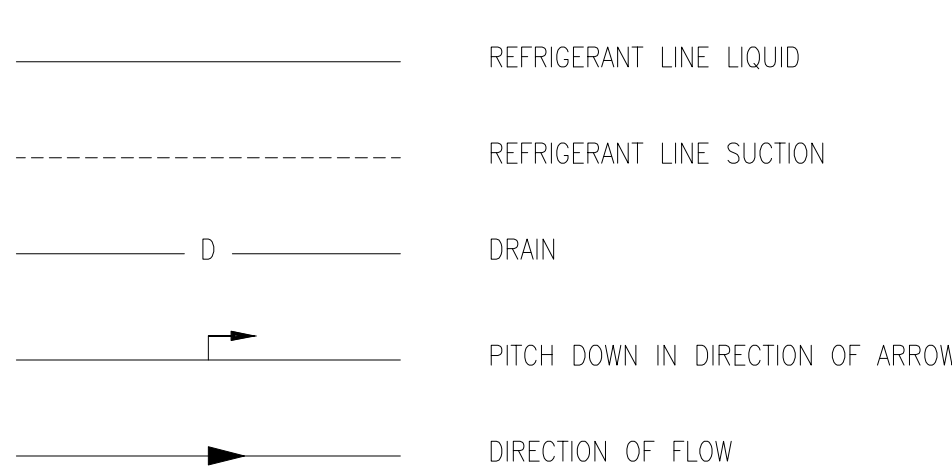


C1 HOISTWAY PLAN - ELEVATOR No. P7 - BUILDING 1 - BASEMENT (FLOORS 1 AND 2 SIM.)  
1/4"=1'-0"

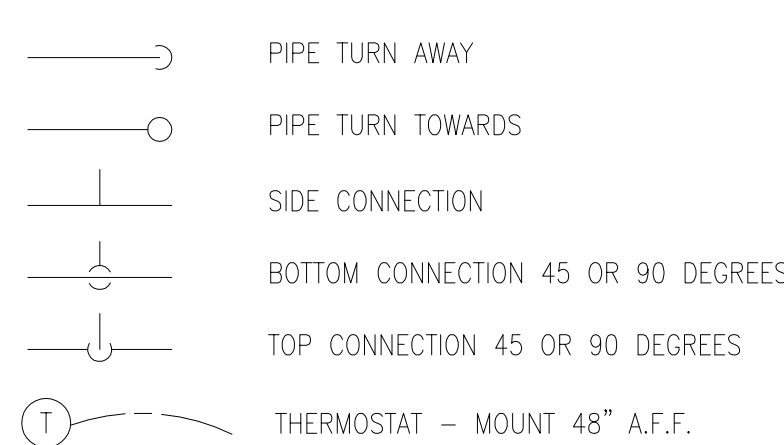
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	HVAC	HEATING, VENTILATING & AIR CONDITIONING
AFR	ABOVE FINISHED ROOF	MC	MECHANICAL CONTRACTOR
AP	ACCESS PANEL	MAX	MAXIMUM
ATC	AUTOMATIC TEMPERATURE CONTROL	MIN	MINIMUM
CTE	CONNECT TO EXISTING	OED	OPEN ENDED DUCT
CFM	CUBIC FEET PER MINUTE	PC	PLUMBING CONTRACTOR
DB	DRY BULB TEMP. DEGREES F.	PD	PRESSURE DROP (FEET OF WATER)
E	EXHAUST AIR DEVICE	R	RETURN AIR DEVICE
EA	EXHAUST AIR	RA	RETURN AIR
EAT	ENTERING AIR TEMP. DEGREES F.	S	SUPPLY AIR DEVICE
EC	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
EF	EXHAUST FAN	TB	TERMINAL BOX
ENT	ENTERING WATER TEMP. DEGREES F.	VD	VOLUME DAMPER
GC	GENERAL CONTRACTOR	WB	WET BULB TEMP. DEGREES F.
GPM	GALLONS PER MINUTE	WMS	WIRE MESH SCREEN
		XM	EXISTING TO REMAIN

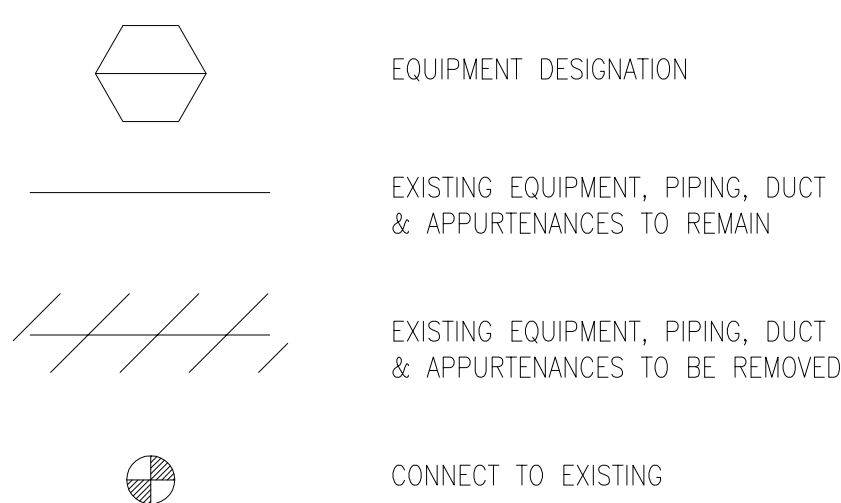
PIPING



VALVES

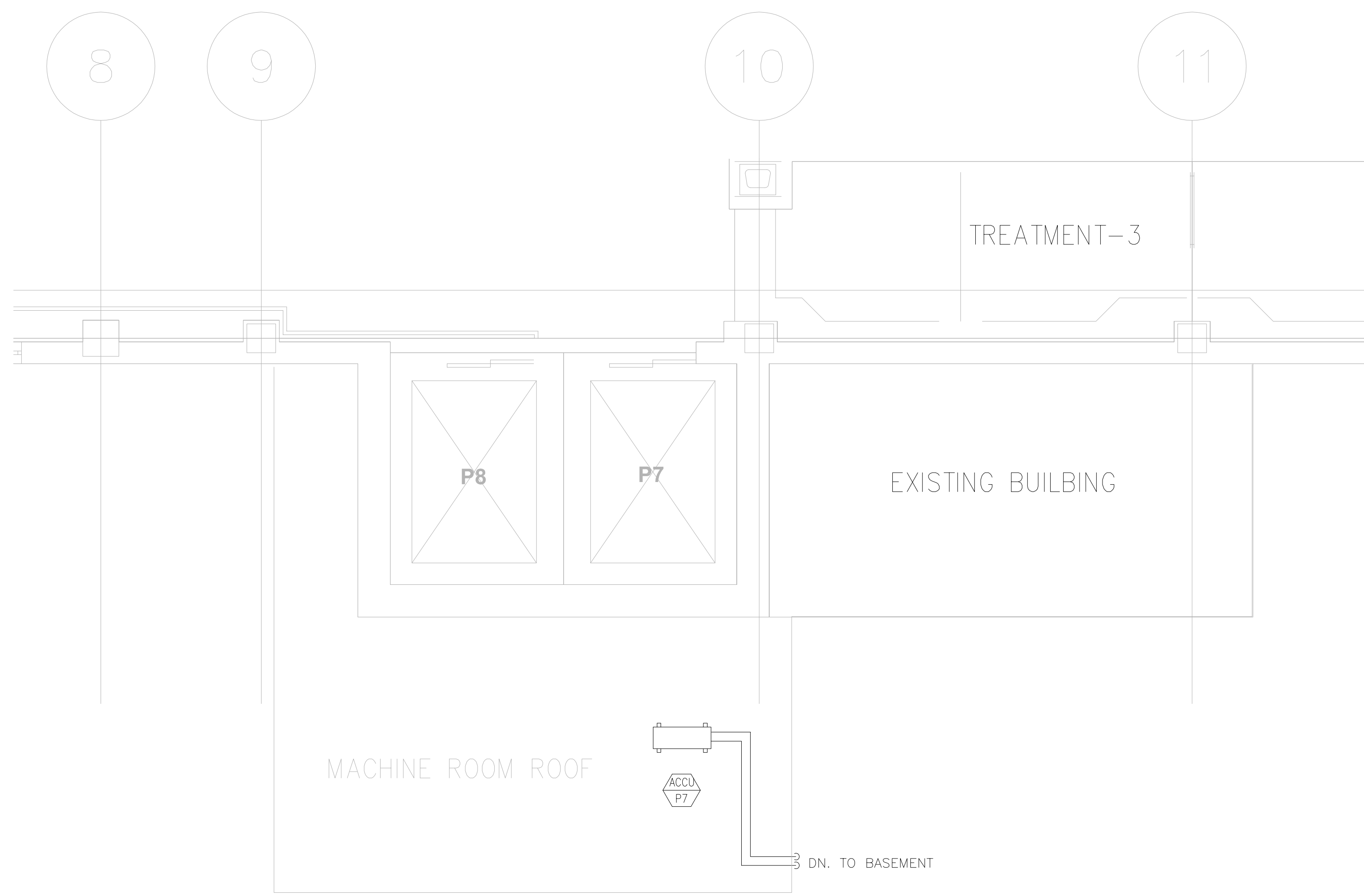


GENERAL

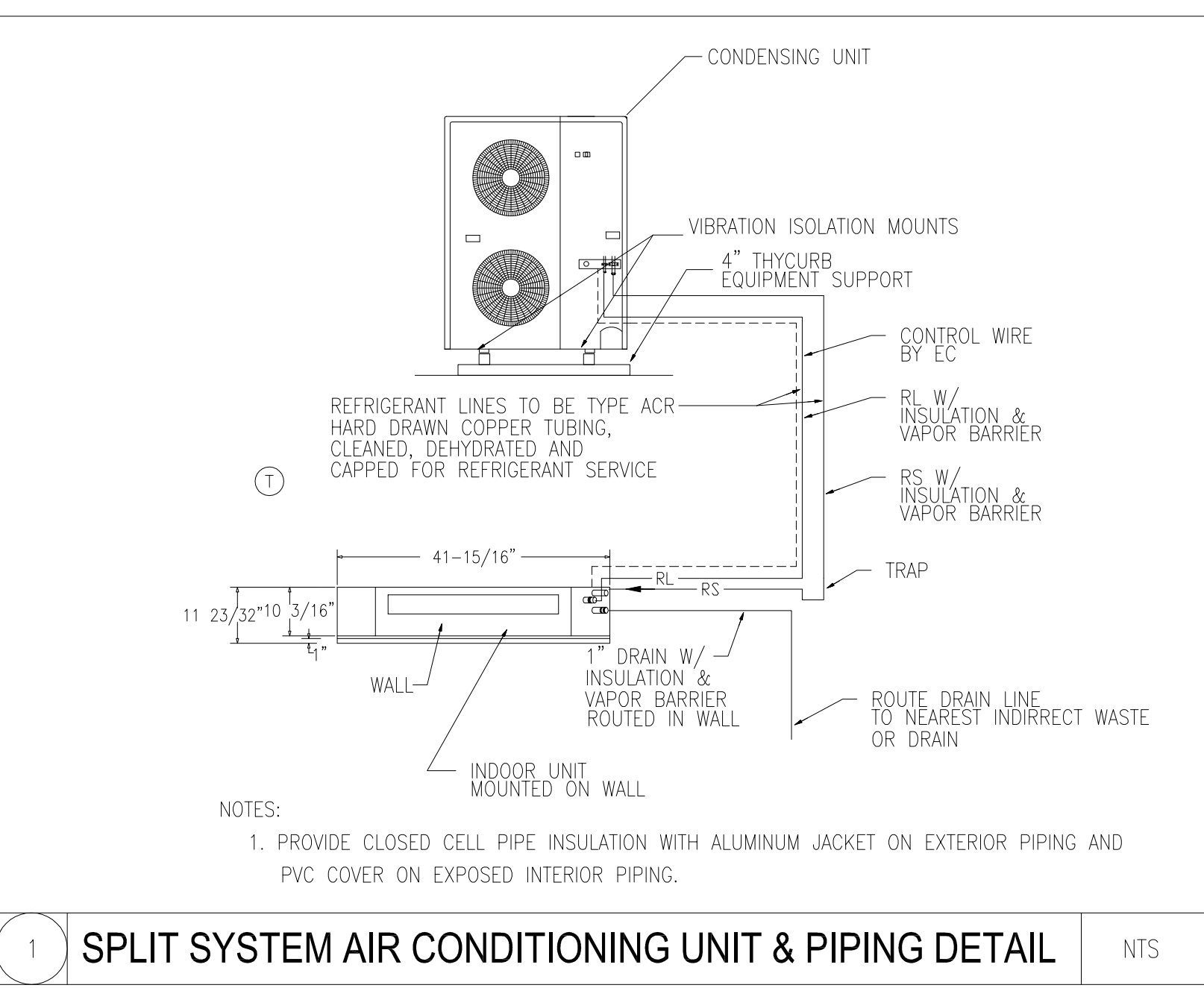
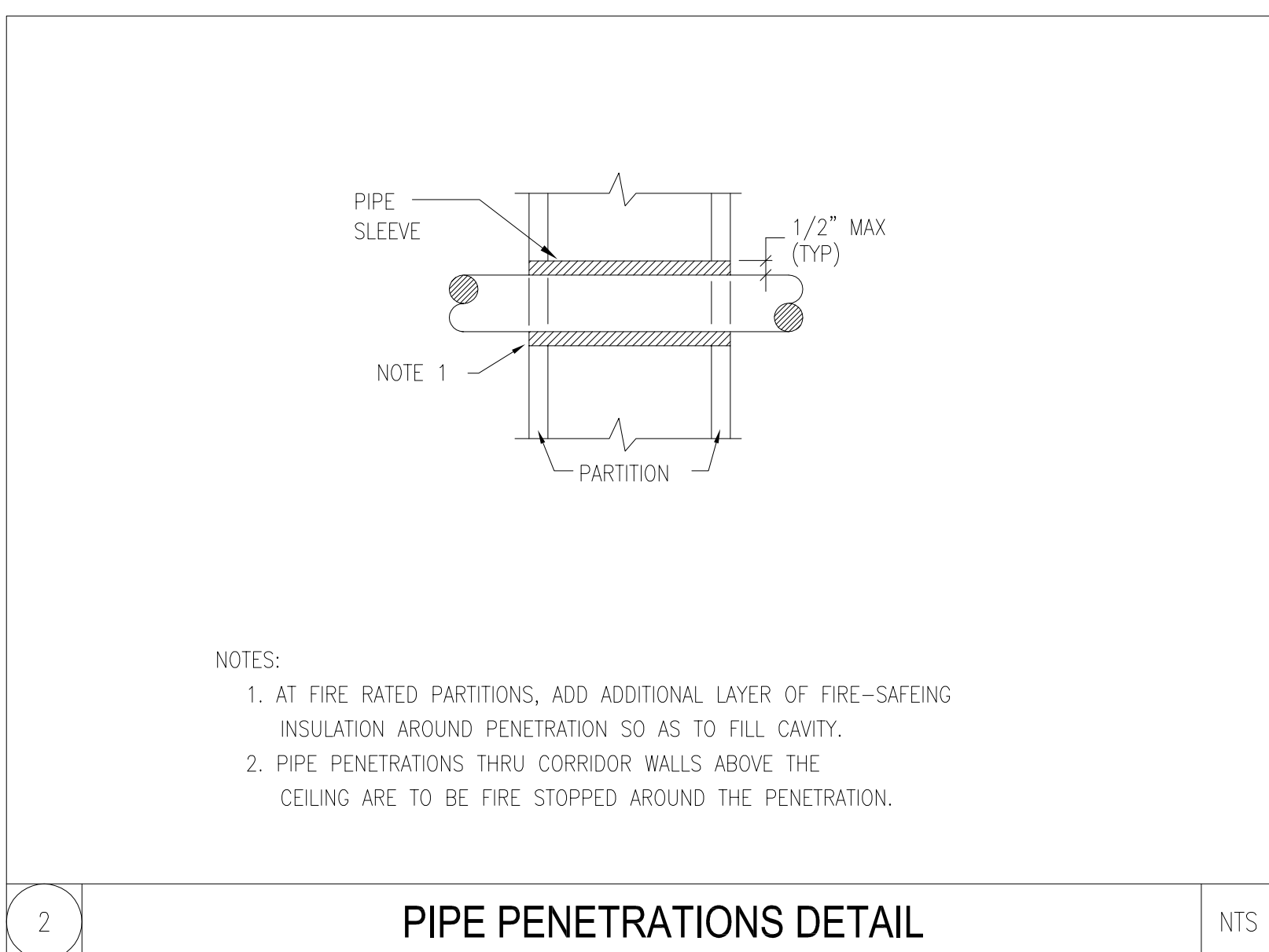


DUCTLESS SPLIT-TYPE AIR CONDITIONER SCHEDULE											
ITEM	MFG'R	INDOOR UNIT/ OUTDOOR UNIT MODEL	TOTAL BTUH	HEAT BTUH	INDOOR FAN DATA	INDOOR ELEC. DATA	OUTDOOR COMP. DATA	OUTDOOR ELEC. DATA	REMARKS		
AC-P7	ACCU-P7	SONYO	KS2472	C2472	24,200	---	20	480-600	208	1	60

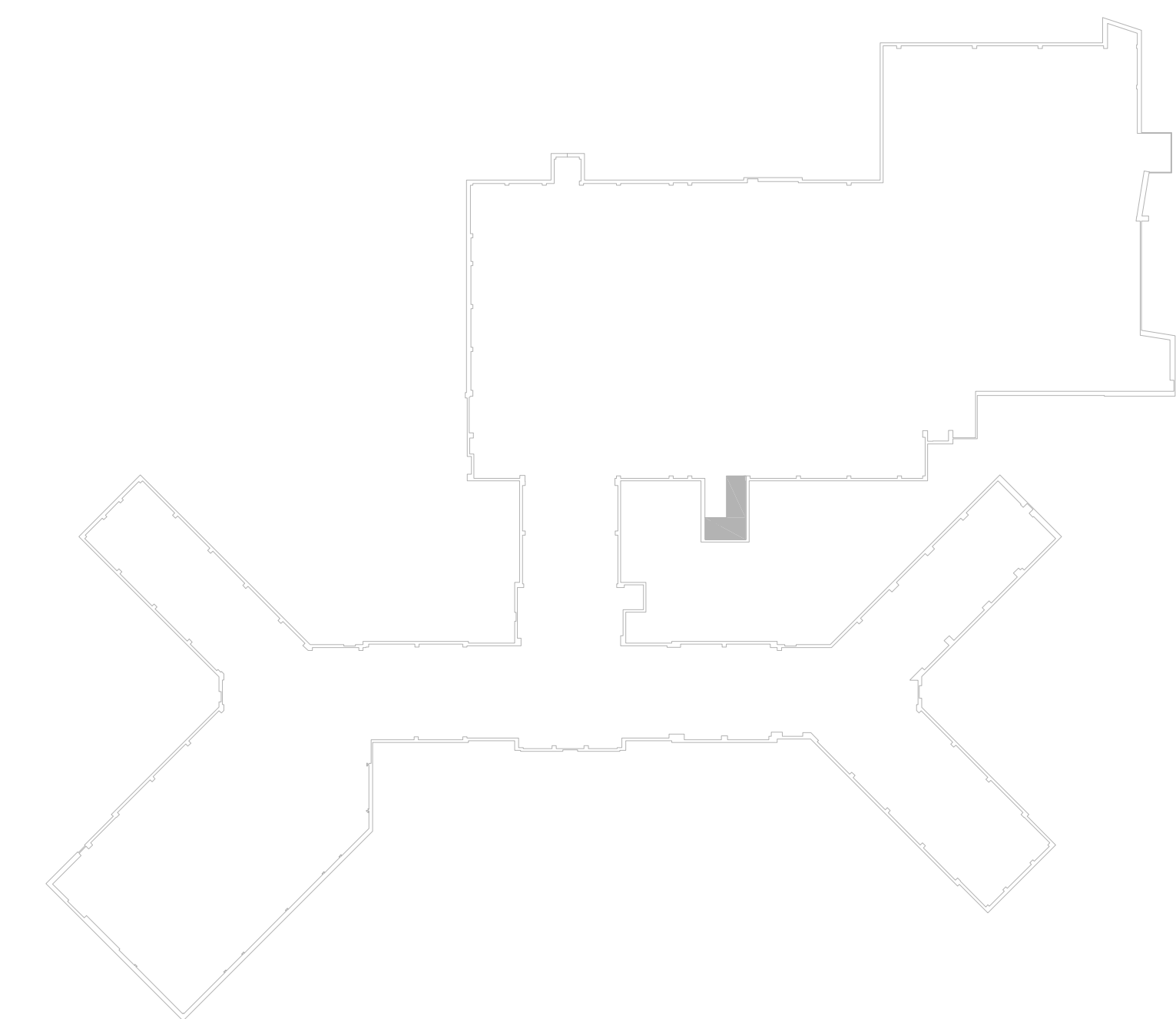
1. PROVIDE A WALL MOUNTED THERMOSTAT FOR AC UNIT. WIRELESS REMOTE CONTROLLER INCLUDED.  
2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONTROL WIRING FROM ACCU TO AC UNIT, REFER TO INSTALLATION MANUAL. WIRE TO BE SPECIFIED UNDER ELECTRICAL SECTION.



C5 PARTIAL ROOF PLAN - ELEVATOR No. P7 - BUILDING 1 - FIRST FLOOR  
1/4"=1'-0"



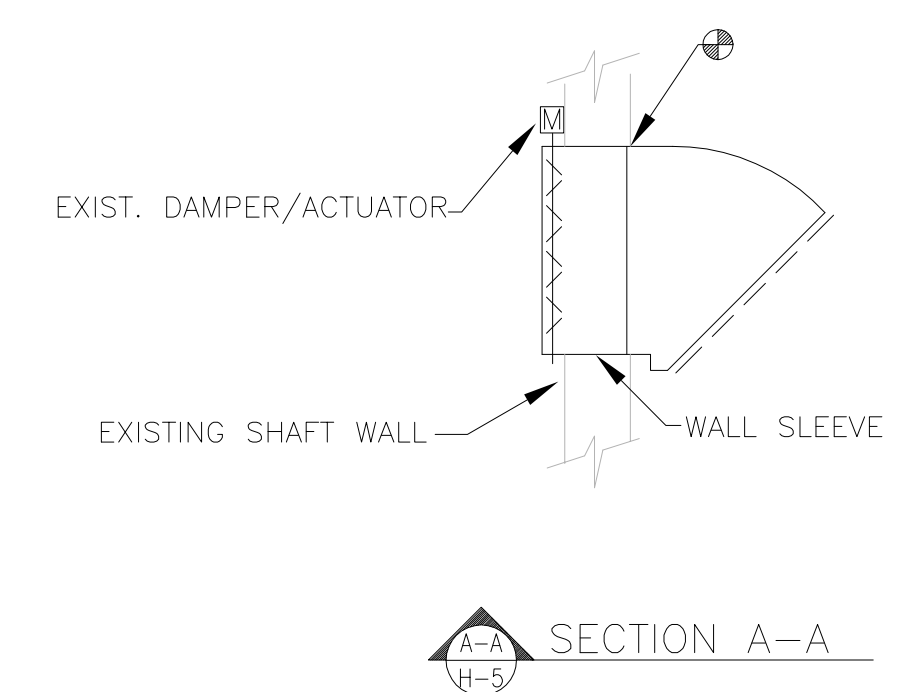
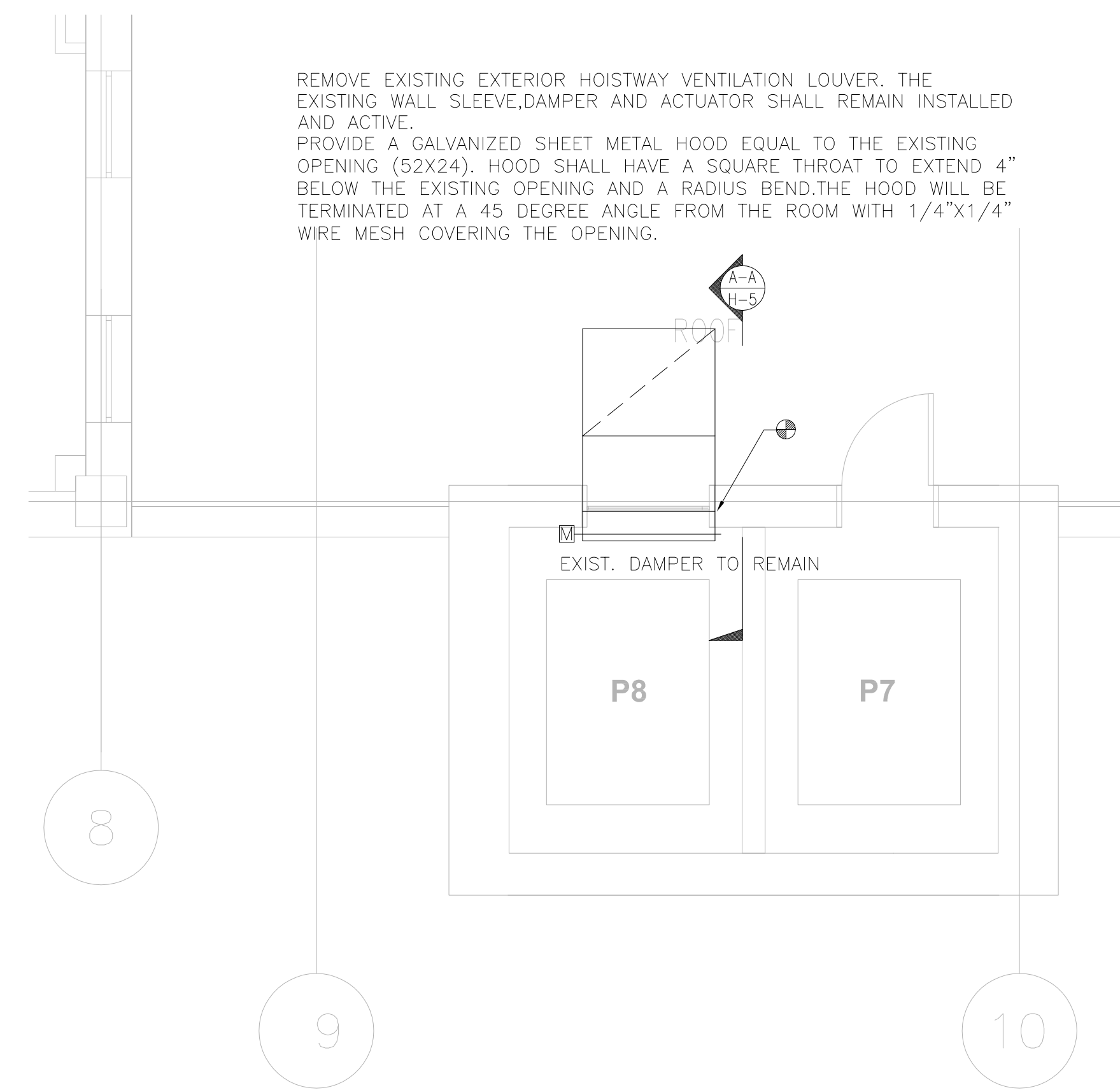
GENERAL NOTE:  
PROVIDE PACKAGE UNIT CONTROLS FROM THE MANUFACTURER WITH INTERCONNECTING WIRING. UNIT MANUFACTURER SHALL PROVIDE ALARM CONTACTS FOR COMMUNICATION WITH THE EXISTING BUILDING MANAGEMENT SYSTEM.



KEY PLAN - ELEVATOR P7, BUILDING 1 (BID OPTION No.4)  
N.T.S.

<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b>		<b>Project Title</b>		<b>Project Number</b>		<b>Office of Construction and Facilities Management</b>			
<b>Structural Engineer:</b>		<b>HDR</b>		<b>HVAC OPTION 4</b>		<b>Elevator Upgrades and Modernization</b>		<b>650-10-106</b>					
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		HDR Architecture, Inc. 695 Atlantic Ave   Boston, MA 02111   617.357.7700		Approved: Project Director		Location VAMC PROVIDENCE, RI 02980		Building Number 1					
<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		Date 03/23/12		Checked KES		Drawn AP			
Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116		Date 03/23/12		Checked KES		Drawn AP			
<b>Revisions</b>		<b>Date</b>		<b>Project Title</b>		<b>Project Number</b>		<b>Building Number</b>		<b>Drawing Number</b>			





HOISTWAY PENTHOUSE PLAN - ELEVATOR No. P8  
BUILDING 1  
1/4"=1'-0"




ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED


	CONSULTANTS:		ARCHITECT:		Drawing Title <b>HVAC OPTION 5</b>	Project Title Elevator Upgrades and Modernization	Project Number 650-10-106	Office of Construction and Facilities Management							
	Structural Engineer:	MEP/FP Engineers:	Environmental Engineers	Vertical Transportation Specialist					Approved: Project Director	Location VAMC PROVIDENCE, RI 02980	Drawing Number MH4.05 Dwg 022 of 030				
															
Revisions:	Date:						 Department of Veterans Affairs								









GENERAL ABBREVIATIONS			
3R	NEMA 3R RATING	HVAC	HEATING, VENTILATION, AIR CONDITIONING CONTRACTOR
4X	NEMA 4X RATING	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
A	AMPERES	IGC	ISOLATED GROUND
AC	ALTERNATING CURRENT	IMC	INTERMEDIATE METAL CONDUIT
A/C	AIR CONDITIONING	INT	INTERLOCK
ADA	AMERICANS WITH DISABILITIES ACT	"K	DEGREE KELVIN
AFF	ABOVE FINISH FLOOR	KCML	THOUSAND CIRCULAR MILS
AFG	ABOVE FINISH GRADE	KVA	KILOVOLTAMPERES
AHJ	AUTHORITY HAVING JURISDICTION	KVAR	KILOVOLTAMPERES REACTIVE
AHU	AIR HANDLING UNIT	KW	KILOWATTS
ALC	AMPERE INTERRUPTING CAPACITY	LFMC	LIQUID TIGHT FLEXIBLE METAL TUBING
AL	ALUMINUM	LTG	LIGHTING
ANSI	AMERICAN NATIONAL STANDARDS' INSTITUTE	LRA	LOCK ROTOR AMPS
ARCH	ARCHITECT	M	METAL CLAD CABLE
ATS	AUTOMATIC TRANSFER SWITCH	MCB	MAIN CIRCUIT BREAKER
ATC	AUTOMATIC TEMPERATURE CONTROL	MCC	MOTOR CONTROL CENTER
AWG	AMERICAN WIRE GAUGE	MCP	MOTOR CIRCUIT PROTECTOR
BFG	BELOW FINISH GRADE	MEC	MASSACHUSETTS ELECTRIC CODE
BLOG	BUILDING	MIC	MINERAL INSULATED CABLE
BTU	BRITISH THERMAL UNITS	MISC	MISCELLANEOUS
°C	DEGREE CELSIUS	MLO	MAIN LUGS ONLY
C	CONDUIT	N	NORMALLY CLOSED
CAT	CATALOG	NEC	NATIONAL ELECTRICAL CODE
CAV	COMMUNITY ANTENNAE TELEVISION	NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
CB	CRITICAL BRANCH	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C/B	CIRCUIT BREAKER	NL	NIGHT LIGHT
CBM	CERTIFIED BALLASTS MANUFACTURERS	NO	NORMALLY OPEN OR NUMBER
cd	CANDELA RATING	NTS	NOT TO SCALE
CKT	CIRCUIT	P	POLE
CL	CENTERLINE	PB	PUSH-BUTTON
CLF	CURRENT LIMITING FUSE	PC	PLUMBING CONTRACTOR
COL	COLUMN	PNL	PANEL
CPT	CONTROL POWER TRANSFORMER	POS	POINT OF SALE (CASHIER STATION)
C.T.	CURRENT TRANSFORMER	PVC	POLYVINYL CHLORIDE
CU	COPPER	PWR	POWER
DB	DECIBEL	P.T.	POTENTIAL TRANSFORMER
DC	DIRECT CURRENT	QTY	QUANTITY
DIA	DIAMETER	REQ'D	REQUIRED
DWG	DRAWING	RMC	RIGID METAL CONDUIT
E	WIRED ON EMERGENCY CIRCUIT	RMS	ROOT MEAN SQUARED
EB	EQUIPMENT BRANCH	RNC	RIGID NONMETALLIC CONDUIT
EC	ELECTRICAL CONTRACTOR	RTS	REMOTE TEST STATION
EF	EXHAUST FAN	RTU	ROOF TOP UNIT
EL	ELEVATION	SP	SPARE
ELEV	ELEVATOR	ST	SHUNT RIP
EM	EMERGENCY	SW	SWITCH
EMT	ELECTRICAL METALLIC TUBING	SYM	SYMMETRICAL
EP	EMERGENCY POWER	TEL	TELEPHONE
EPO	EMERGENCY POWER OFF	TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
EW	ELECTRIC WATER COOLER	UG	UNDERGROUND OR UNDER GRADE
°F	DEGREE FAHRENHEIT	UL	UNDERWRITERS LABORATORIES
F	FUSE	V	VOLT
FA	FIRE ALARM	VA	VOLTAMPERE
FAA	FIRE ALARM ANNUNCIATOR	VT	VOLTAGE TRANSFORMER
FLA	FULL LOAD AMPERES	W	WIRE (OR WATT)
FMC	FLEXIBLE METAL CONDUIT	WH	WATER HEATER
FT	FEET	WP	WEATHERPROOF
GC	GENERAL CONTRACTOR	XMR	TRANSFORMER
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER	ø	PHASE
GND	GROUND OR GROUNDING		
GNDG	GALVANIZED RIGID METALLIC CONDUIT		
HQA	HAND, OFF, AUTOMATIC SWITCH		

<p style="text-align: center;"><b>LIGHTING LEGEND</b></p>	
	<p>CEILING/WALL OUTLET WITH FLUORESCENT FIXTURE CONNECTED TO NORMAL CIRCUIT, TYPE AS INDICATED</p>











  










<p style="text-align: center;"><b>SWITCHING LEGEND</b></p>	
	<p>SINGLE POLE SWITCH, SUBSCRIPT INDICATES SWITCH CONTROL</p>

## RECEPTACLES LEGEND









	DUPLEX WALL RECEPTACLE
	DOUBLE DUPLEX WALL RECEPTACLE
	GROUND FAULT INTERRUPTING DUPLEX WALL RECEPTACLE
	DUPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT
	DOUBLE DUPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT
	GROUND FAULT INTERRUPTING DUPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT











<u>RECEPTACLE DENOTATION DESCRIPTION</u>	
"C"	MOUNTED ABOVE COUNTER
"WP"	WEATHERPROOF

	HORN/VISUAL FIRE ALARM MOUNTED AT 80" A.F.F.
	SMOKE DETECTOR "WG" DENOTES WITH GUARD.
	THERMAL HEAT DETECTOR - RATE OF RISE 130°F
	TAMPER SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
	FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
	REMOTE TEST STATION FOR DUCT MOUNTED SMOKE DETECTOR, MOUNTED AT 72" A.F.F. COORDINATE WITH HVAC CONTRACTOR FOR LOCATION.
	MONITOR MODULE
	CONTROL MODULE
	TWO-WAY FIREFIGHTERS TELEPHONE
	FIREFIGHTER TELEPHONE MODULE
<u>FIRE ALARM SYSTEM DENOTATION DESCRIPTION</u>	
"WG"	DENOTES WITH WIRE GUARD
"S"	DENOTES SURFACE MOUNTED
"ST"	DENOTES WITH STOPPER GUARD
"R"	DENOTES ELEVATOR RECALL

MOTORS AND EQUIPMENT LEGEND	
	MOTOR - NUMBER INDICATES HORSEPOWER
	THERMAL OVERLOAD SWITCH
WP 	DISCONNECT SWITCH, "WP" DENOTES WEATHERPROOF
WP 	FUSED DISCONNECT SWITCH, "WP" DENOTES WEATHERPROOF
	MUSHROOM TYPE EMERGENCY SHUTDOWN SWITCH
	MAGNETIC MOTOR CONTROLLER
	COMBINATION DISCONNECT/MOTOR STARTER
④	AQUASTAT FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
	HVAC AUTOMATIC TEMPERATURE CONTROL PANEL FURNISHED AND INSTALLED BY HVAC CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
	VARIABLE FREQUENCY DRIVE, FURNISHED AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR
①	JUNCTION BOX
②	BLANK BOX

## RACEWAYS LEGEND


	HOMERUN - SEE HOMERUN KEY
	BRANCH CIRCUIT WIRING, 2#12 & G. MINIMUM. NUMBER OF SLASHES INDICATES WIRES WHEN MORE THAN TWO
	PULL BOX
	CONDUIT TURN UP
	CONDUIT TURN DOWN
	CONDUIT STUB ABOVE CEILING
	4" SLEEVE
	CABLE TRAY

DISTRIBUTION EQUIPMENT LEGEND	
"DP2N11"	120/208V, 3ø, 4W PANEL "DP2N11" DENOTES PANEL DESIGNATION. REFER TO PANELBOARD DESIGNATION DETAIL THIS DRAWING FOR DESCRIPTION
	120/208V, 3ø, 4W ELECTRONIC GRADE PANEL (EGP)
"DP4N1"	277/480V, 3ø, 4W PANEL "DP4N1" DENOTES PANEL DESIGNATION. REFER TO PANELBOARD DESIGNATION DETAIL THIS DRAWING FOR DESCRIPTION
	OPERATING ROOM ISOLATION PANEL
	LINE ISOLATION MODULE
	AUTOMATIC TRANSFER SWITCH
	TRANSFORMER
	METER WITH METER SOCKET, PROVIDE SOCKET AS REQUIRED BY ELECTRIC UTILITY COMPANY
	MOTOR CONTROL CENTER
	ENCLOSED CIRCUIT BREAKER
	CURRENT TRANSFORMER CABINET AS REQUIRED BY UTILITY COMPANY
	SWITCHBOARD

ONE-LINE DIAGRAM LEGEND	
	SPLICE
	RACEWAY BREAK SYMBOL, INDICATES CONTINUATION OF RACEWAY AND WIRING.
	RACEWAY CAP SYMBOL, INDICATES CAPPED AND SEALED RACEWAY.
	DELTA
	WYE
	THERMAL CIRCUIT OVERLOAD
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	DRAW OUT MEDIUM VOLTAGE STARTER
	DRAW OUT MEDIUM VOLTAGE CIRCUIT BREAKER
	POWER TRANSFORMER, SIZE AS INDICATED
	CONTROL POWER TRANSFORMER
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
	MOLDED CASE CIRCUIT BREAKER
	FUSE
	DRAW OUT CIRCUIT BREAKER
	GROUND FAULT SENSOR AND RELAY
	AMMETER SWITCH
	AMMETER
	VOLTMETER SWITCH
	VOLTMETER
	KILOWATT-HOUR METER
	HEAVY DUTY FUSIBLE SAFETY SWITCH
	"4000AF" - INDICATES SWITCH RATING
	"3000AF" - INDICATES FUSE RATING
	SYSTEM GROUND OR EQUIPMENT GROUND
	LIGHTNING ARRESTER AND GROUNDING
	AUTOMATIC TRANSFER SWITCH
	MONITORING AND PROTECTIVE DEVICE
	KIRK KEY

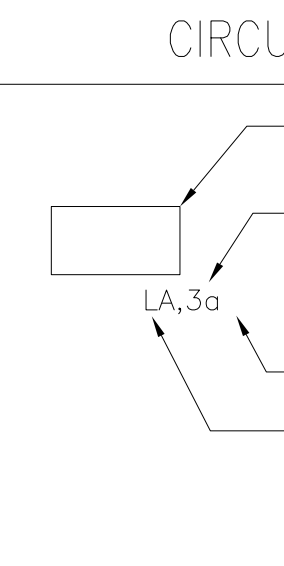
### ONE-LINE DIAGRAM DENOTATION DESCRIPTION

"AF" - AMPERE FRAME SIZE  
 "AT" - AMPERE TRIP SETTINGS

EXISTING EQUIPMENT LEGEND	
	DOTTED DENOTES EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED
XM	EXISTING EQUIPMENT TO REMAIN
XR	EXISTING EQUIPMENT TO BE REMOVED & RELOCATED
RX	NEW LOCATION OF RELOCATED EXISTING EQUIPMENT
XN	EXISTING EQUIPMENT TO BE REMOVED & REPLACED WITH NEW, AS SPECIFIED
X	EXISTING EQUIPMENT TO BE REMOVED

### CIRCUITING KEY



→ LIGHTING FIXTURE

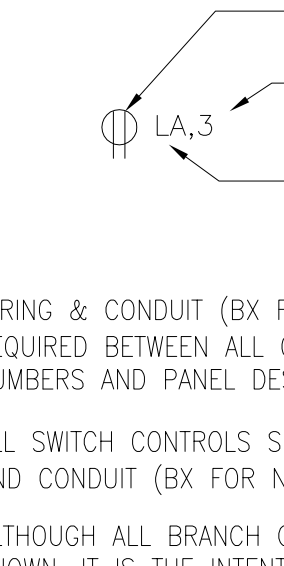
→ INDICATES CIRCUIT NUMBER

→ L.A.3a

→ INDICATES SWITCH CONTROL

→ INDICATES PANEL WHERE CIRCUIT ORIGINATES



→ ELECTRICAL DEVICE

→ INDICATES CIRCUIT NUMBER

→ L.A.3

→ INDICATES PANEL WHERE CIRCUIT ORIGINATES

NOTES:

1. WIRING & CONDUIT (BX FOR NORMAL, CULINETS) SHALL BE REQUIRED ALONG WITH OUTLETS IDENTIFIED W/ CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
2. ALL SWITCH CONTROLS SHALL BE PROVIDED N/ WIRING AND CONDUIT (BX FOR NORMAL CIRCUITS) AS REQUIRED.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.

# TYPICAL DEVICE MOUNTING HEIGHTS DETAIL

The diagram illustrates the recommended mounting heights for various fire alarm and communication devices in a room. A vertical line on the right represents the 'FINISHED FLOOR'. Horizontal dashed lines indicate height ranges from 1'-6" to 8'-6".

- 8'-6" to 8'-0":** PROVIDE PENDANT WHERE HUNG CEILING OR STRUCTURE EXCEEDS 8'-6" AFF. (Pointing to a pendant-mounted EXIT sign).
- 8'-0" to 6'-8":** EXIT SIGN (Pointing to a wall-mounted EXIT sign).
- 6'-8" to 6'-0":** FIRE ALARM AUDIO/VISUAL DEVICES (SEE NOTE 3) (Pointing to a fire alarm pull station).
- 6'-0" to 4'-6":** KEY SWITCH (KS) (Pointing to a wall-mounted key switch).
- 4'-6" to 4'-0":** SWITCHES (Pointing to a wall-mounted switch plate).
- 4'-0" to 3'-10":** WALL TELEPHONES (Pointing to a wall-mounted telephone).
- 3'-10" to 3'-0":** FIRE ALARM PULL STATION (Pointing to a fire alarm pull station).
- 3'-0" to 1'-6":** TELEPHONE/DATA OUTLETS ABOVE COUNTER (SEE NOTE 4) (Pointing to a counter-top outlet).
- 3'-0" to 1'-6":** RECEPTACLES ABOVE COUNTER (SEE NOTE 4) (Pointing to a counter-top outlet).
- 1'-6" to 1'-0":** TELEPHONE/DATA OUTLETS (Pointing to a wall-mounted outlet).
- 1'-0" to 0'-0":** RECEPTACLES (Pointing to a wall-mounted outlet).

FINISHED FLOOR

NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS AND FIRE ALARM VISUAL DEVICES.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. FIRE ALARM AUDIO/VISUAL DEVICE TO BE MOUNTED AT 6'-8" ABOVE FINISHED FLOOR OR AT 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER. DIMENSION IS TO THE CENTERLINE OF THE VISUAL PORTION OF THE DEVICE.
4. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND ARCH. PLAN ELEVATIONS PRIOR TO ROUGHING IN ANY DEVICES ABOVE COUNTERS.

DETAIL & EQUIPMENT IDENTIFIERS

DETAIL IDENTIFIER:  
 "I" INDICATES DETAIL NUMBER  
 "E7.1" INDICATES SHEET NUMBER

MECHANICAL EQUIPMENT TAG:  
 "EF" INDICATES EQUIPMENT TYPE  
 "1" INDICATES EQUIPMENT NUMBER

TYPICAL ROOM LAYOUT DETAIL/CIRCUITING IDENTIFIER:

DETAIL NUMBER  
 PANEL KEY  
 24,25,26  
 41,42,43  
 CIRCUIT NUMBERS  
 SHEET NUMBER

HOMERUN KEY

Diagram illustrating the components of the HOMERUN KEY:

- Panel Designation Where Circuits Originate
- Circuit Number
- Circuit Breaker in Panel LP Supplying Circuit #1
- When Circuit Breaker Size is Not Shown, Circuit is Supplied from 20/1P Circuit Breaker.

DRAWING LIST	
DWG. NO.	DRAWING TITLE
E0.01	ELECTRICAL LEGEND + GENERAL NOTES
E4.01	ELECTRICAL BASE BID
E4.02	ELECTRICAL BASE BID
E4.03	ELECTRICAL OPTION 2
E4.04	ELECTRICAL OPTION 3
E4.05	ELECTRICAL OPTION 4
E4.06	ELECTRICAL OPTION 5
E4.07	ELECTRICAL OPTION 6

## GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE ALL EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE.
2. DRAWINGS ARE DIAGRAMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.
3. ACTUAL LOCATIONS OF ALL WALL MOUNTED POWER, TELEPHONE & DATA OUTLETS SHALL BE COORDINATED W/ ARCHITECTURAL LAYOUT PLANS.
4. REFER TO ARCHITECTURAL PLANS & ELEVATIONS FOR DEVICE LOCATIONS & HEIGHTS UNLESS OTHERWISE NOTED.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES UNLESS OTHERWISE NOTED.
6. WHERE THE DRAWINGS AND/OR SPECIFICATIONS CALL FOR EQUIPMENT TO BE LOCATED IN THE FIELD OR ON THE JOB, AND/OR THE DOCUMENTS DO NOT SHOW THE LOCATION EQUIPMENT SPECIFIED, IT SHALL BE UNDERSTOOD THAT THE EXACT LOCATION SHALL BE DETERMINED ON THE JOB BY THE ARCHITECT.
7. ALL SPARE AND EMERGENCY CONDUITS SHALL BE PROVIDED WITH PULLSTRINGS.
8. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO TO THE ELECTRICAL WORK COMPLETE AND READY FOR OPERATION.
9. WHERE ELECTRICAL METALLIC TUBING IS REQUIRED, PROVIDE MINIMUM SIZE OF 3/4" DIAMETER.
10. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH OSHA, THE MASSACHUSETTS ELECTRICAL CODE AND LOCAL GOVERNING AUTHORITIES.
11. ALL CABLE AND CONDUIT SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE.
12. THE CONTRACTOR SHALL COORDINATE ALL MANUFACTURER'S SHOP DRAWINGS FOR EXACT LOCATION AND ROUGHING IN DIMENSIONS OF ALL EQUIPMENT AND SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED.
13. FLEXIBLE METAL CONDUIT WITH PVC COATING SHALL BE USED FOR CONNECTIONS TO MOTORS AND EQUIPMENT.
14. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 99 PERCENT CUPRUM/ COPPER MINIMUM #12 AWG SIZE. THREE PHASE, 75 DEGREE C, RATED 600 VOLTS, UNLESS OTHERWISE NOTED.
15. DEMOLITION WORK SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES IN THE BUILDING.
16. GROUND CONDUCTORS SIZED FROM MASSACHUSETTS ELECTRICAL CODE. GROUNDING CONDUCTOR TABLE 250-5 SHALL BE PROVIDED IN ALL BRANCH CIRCUITS.
17. PROVIDE SUITABLE PLEAT ON OUTLET BOX -- INCLUDE "SOLID" POWER CONNECTION TO EQUIPMENT CONSISTING OF FLEXIBLE METALLIC CONDUIT CONTAINING WIRES OF SIZE AND TYPE EQUAL TO THOSE SUPPLYING THE OUTLET -- NUMBER OF WIRES SHALL BE AS REQUIRED FOR THE EQUIPMENT.
18. ALL BRANCH CIRCUITS REFERRED TO THIS NOTE SHALL BE FED FROM A NEW 200-1P, CIRCUIT BREAKER PROVIDED WITHIN THE PANEL INDICATED. EACH NEW CIRCUIT BREAKER WILL REPLACE AN EXISTING SINGLE POLE SWITCH. ALL NEW BRANCH CIRCUITS SHALL BE RATED WITH THE PANEL IN WHICH EACH IS INSTALLED. THE CONTRACTOR SHALL MODIFY EACH PANELBOARD DIRECTORY AS PER SPECIFICATIONS.

[illegible]

CONSULTANTS:

Structural Engineer:

Lim Consultants, Inc.  
90 Hamilton Street  
Cambridge, MA 02139

Lim Consultants, Inc.

MEP/FP Engineers:

Thompson Consultants, Inc.  
525 Mill Street  
Marion, MA 02738

The logo for Thompson Consultants, Inc. features the letters 'T', 'C', and 'I' in white, each inside a blue square. These three squares are arranged horizontally. Below the squares, the text 'THOMPSON CONSULTANTS, INC.' is written in blue capital letters.


Environmental Engineers

CDW Consultants, Inc.  
40 Speen Street Suite 301  
Framingham, MA 01701

The CDW logo consists of three stacked red squares, each containing a white letter: 'C' on top, 'D' in the middle, and 'W' on the bottom.

# Vertical Transportation Specialist

VDA (Van Deusen & Associates)  
198 Tremont Street Suite 443  
Boston, MA 02116



ARCHITECT:

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**HDR**

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**HDR Architecture, Inc.**

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695 Atlantic Ave | Boston, MA 02111 | 617.357.7700

Drawing Title
<b>ELECTRICAL LEGEND &amp; GENERAL NOTES</b>
Approved: Project Director


Project Title		
Elevator Upgrades and Modernization		
Location		
VAMC PROVIDENCE, RI 02980		
Date	Checked	Drawn
03/23/12	RR	RR

Project Number  
650-10-106

Building Number  
1

Drawing Number  
E0.01  
Dwg. 023 of 030

Office of  
Construction  
and Facilities  
Management

 Department of  
Veterans Affairs



HOISTWAY PLAN - ELEVATOR Nos. P2, P3 & P4 - BUILDING 1  
(FLOORS 1,2,3,4,5,6&7 SIM.)

F1 HOISTWAY PIT PLAN - ELEVATOR Nos. P2, P3 & P4 - BUILDING 1 - SUB-BASEMENT  
1/4"=1'-0"

(C5) HOISTWAY PLAN - ELEVATOR Nos. P2, P3 & P4 - BUILDING 1 - BASEMENT  
1/4"=1'-0"

(F5) HOISTWAY PLAN - ELEVATOR Nos. P2, P3 & P4  
BUILDING 1 - 8TH FLOOR  
1/4"=1'-0"

GENERAL NOTES:

1. E.C. TO PROVIDE WIRE GUARD ON ALL EXPOSED LIGHTING FIXTURES IN MECHANICAL SPACES.

KEYED NOTES:

- ① FURNISH AND INSTALL FIRE FIGHTERS TWO-WAY TELEPHONE IN ELEVATOR CAB. THE TELEPHONE WIRING SHALL BE INSTALLED IN SEPARATE METALLIC RACEWAY BACK TO THE FIRE ALARM COMMAND CENTER LOCATED ON THE FIRST FLOOR IN ROOM #01090. TELEPHONES SHALL BE COMPATIBLE WITH MORTIFIER SYSTEM. THE SYSTEM SHALL MEET THE SURVIVABILITY REQUIREMENTS FOR FIRE ALARM VOICE/COMMUNICATION CIRCUITS AS REQUIRED BY NFPA 72
- ② PROVIDE CONNECTION TO ELEVATOR DAMPER TO OPEN UPON ACTIVATION OF SMOKE OR HEAT DETECTOR.

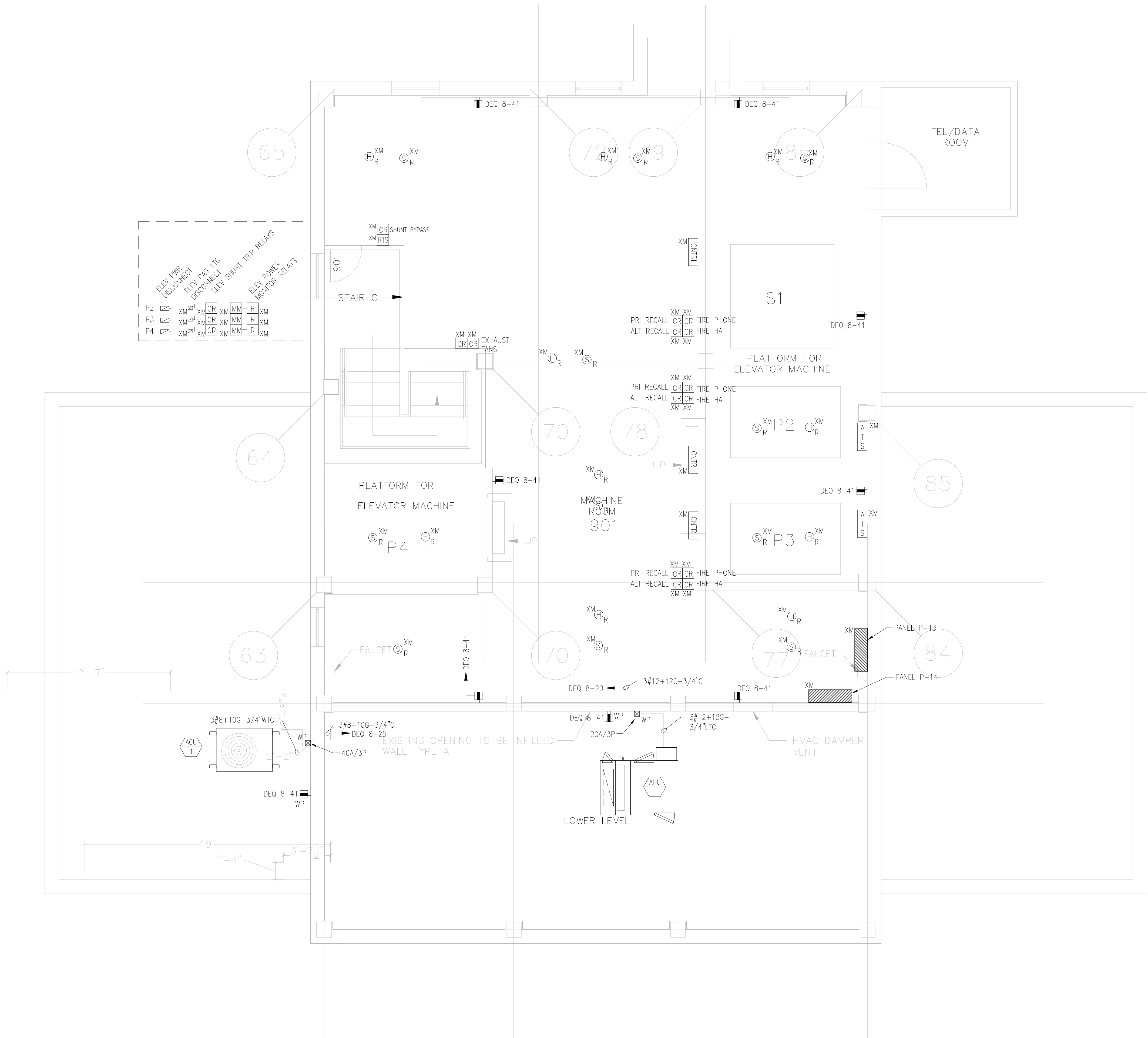
KEY PLAN - ELEVATORS S1,P2,P3&P4  
BUILDING 1 - (BASE BID)  
N.T.S.



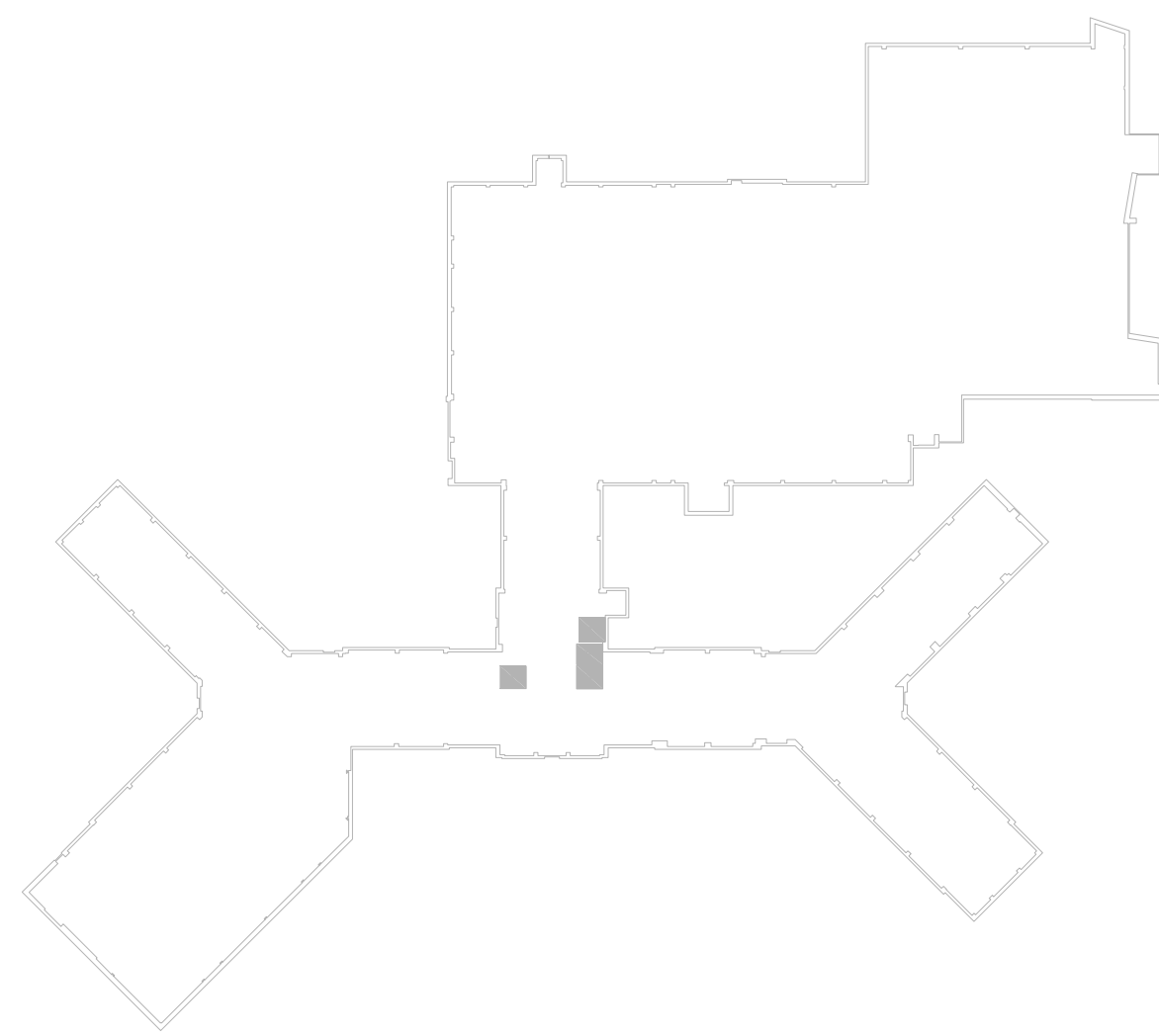
## ISSUE FOR CONSTRUCTION FULLY SPRINKLERED

		CONSULTANTS:		ARCHITECT:		Drawing Title <b>ELECTRICAL BASE BID</b>		Project Title Elevator Upgrades and Modernization		Project Number 650-10-106		Office of Construction and Facilities Management	
		Structural Engineer:		MEP/FP Engineers:		Environmental Engineers		Vertical Transportation Specialist		Building Number 1			
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116		Location VAMC PROVIDENCE, RI 02980			Drawing Number  E4.01 Dwg. 024 of 030
										Date 03/23/12			
Revisions:		Date:						HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700				 Department of Veterans Affairs	





ELEVATOR Nos. P2, P3 & P4 — BUILDING 1  
ELEVATOR MACHINE ROOM PLAN — PENTHOUSE (NINTH FLOOR)  
1/4"=1'-0"



KEY PLAN — ELEVATOR P2,P3 & P4  
BUILDING 1 — (BASE BID)  
N.T.S.



ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:  
**Structural Engineer:**  
Lim Consultants, Inc.  
90 Hamilton Street  
Cambridge, MA 02139

**MEP/FP Engineers:**  
Thompson Consultants, Inc.  
525 Mill Street  
Marion, MA 02738

**Environmental Engineers**  
CDW Consultants, Inc.  
40 Speen Street Suite 301  
Framingham, MA 01701

**Vertical Transportation Specialist**  
VDA (Van Deusen & Associates)  
198 Tremont Street Suite 443  
Boston, MA 02116

**ARCHITECT:**  
  
HDR Architecture, Inc.  
695 Atlantic Ave | Boston, MA 02111 | 617.357.7700

Drawing Title  
**ELECTRICAL  
BASE BID**  
Approved: Project Director

Project Title  
Elevator Upgrades and Modernization  
Location  
VAMC PROVIDENCE, RI 02980  
Date  
03/23/12  
Checked  
RR  
Drawn  
RR

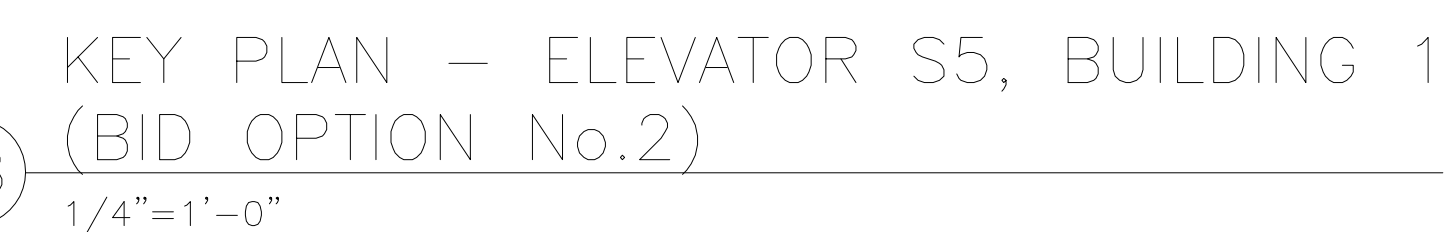
Project Number  
650-10-106  
Building Number  
1  
Drawing Number  
E4.02  
Dwg. 025 of 030

Office of  
Construction  
and Facilities  
Management  
 Department of  
Veterans Affairs







1. E.C. TO PROVIDE WIRE GUARD ON ALL EXPOSED LIGHTING FIXTURES IN MECHANICAL SPACES.

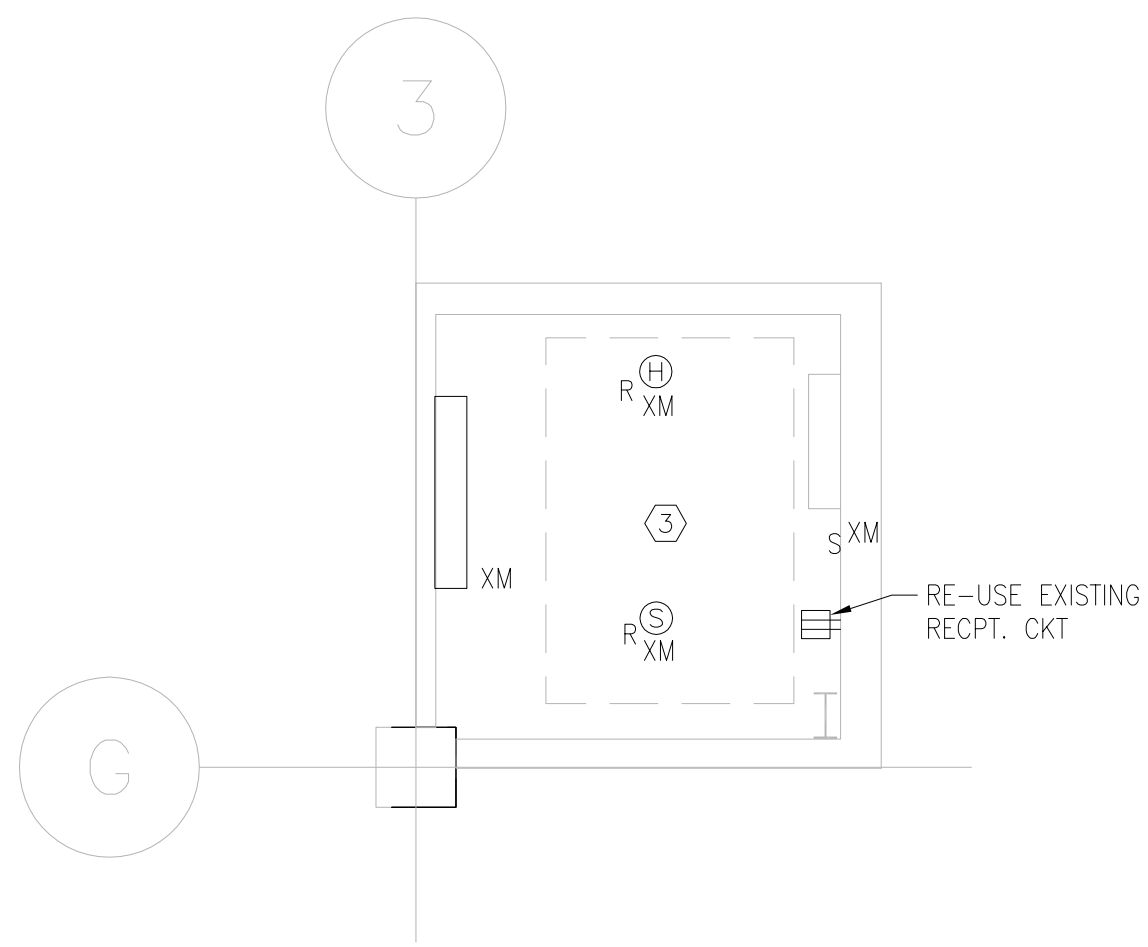


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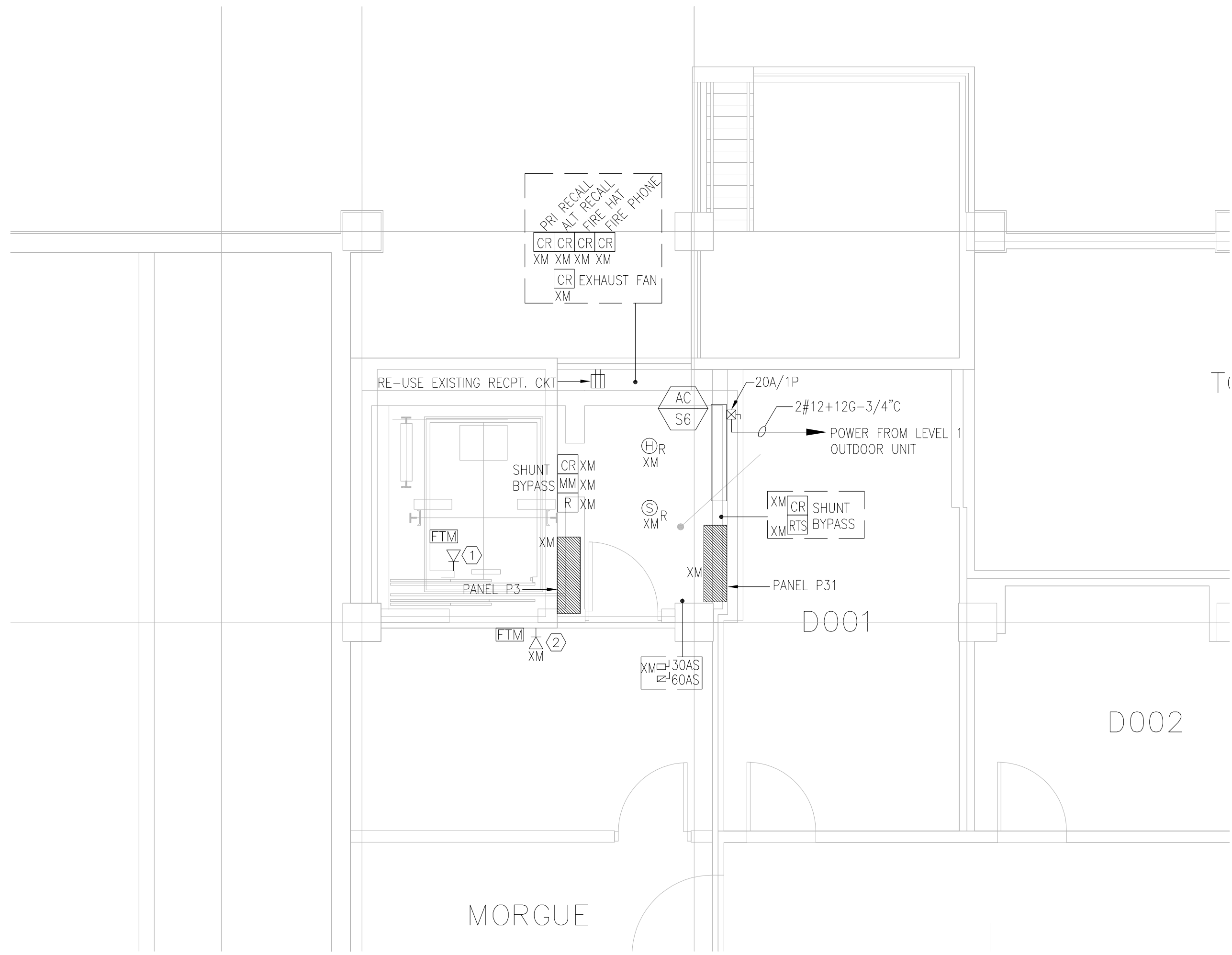
	CONSULTANTS:		ARCHITECT:		Drawing Title <b>ELECTRICAL OPTION 2</b>	Project Title Elevator Upgrades and Modernization	Project Number 650-10-106	Office of Construction and Facilities Management													
	Structural Engineer:	MEP/FP Engineers:	Environmental Engineers	Vertical Transportation Specialist					Approved Project Director	Location VAMC PROVIDENCE, RI 02980	Drawing Number  E4.03										
												Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139	Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700	Date 03/23/12	Checked RR	Drawn RR	Dwg 026 of 030



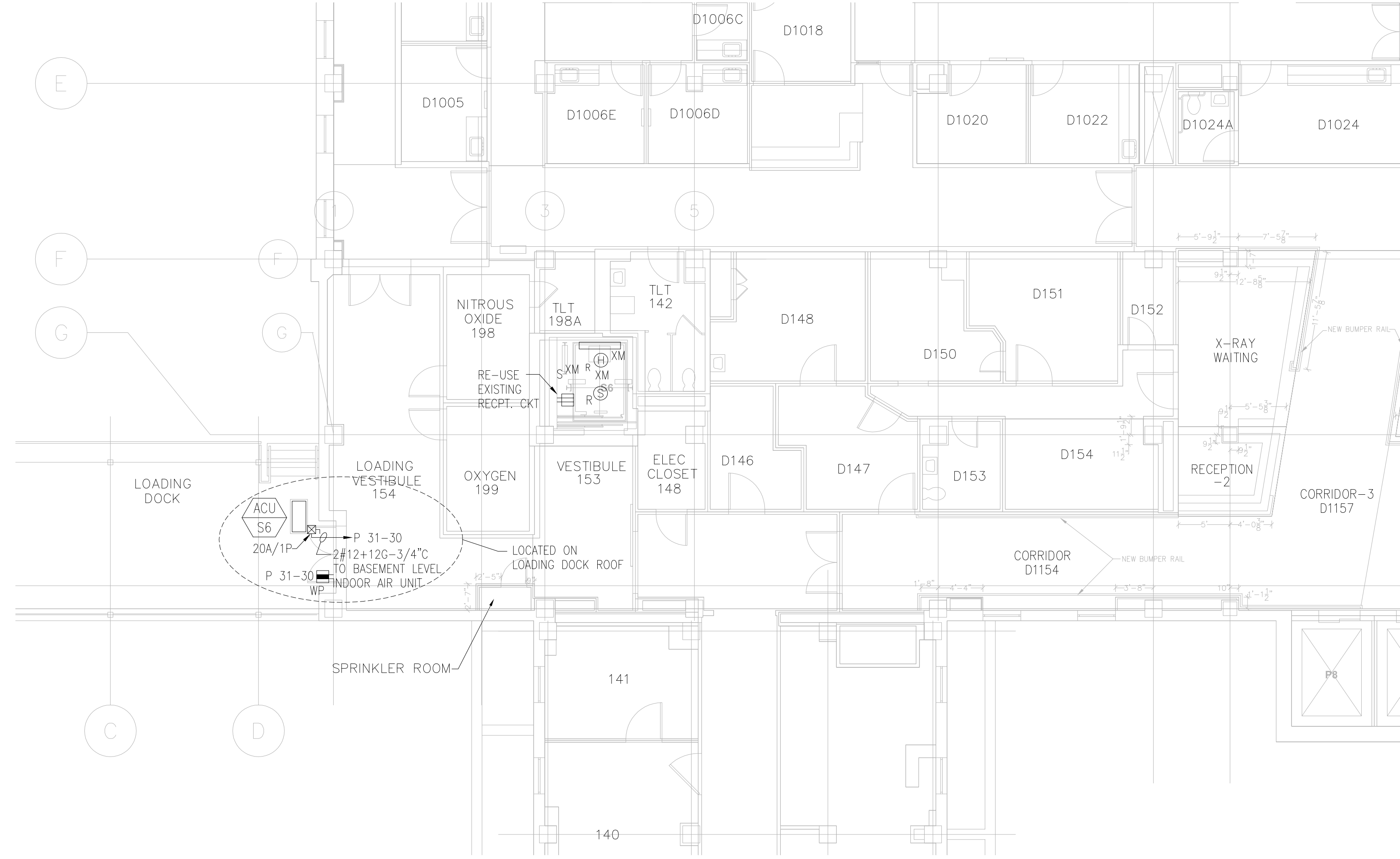
three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
one-half inch = one foot  
one-quarter inch = one foot  
one-half inch = one foot  
one-quarter inch = one foot  
three-eighths inch = one foot  
one-eighth inch = one foot



D1 HOISTWAY PIT PLAN  
ELEVATOR No. S6  
1/4"=1'-0"



C2 HOISTWAY AND MACHINE ROOM PLAN ELEVATOR No. S6  
BUILDING 1 - BASEMENT  
1/4"=1'-0"



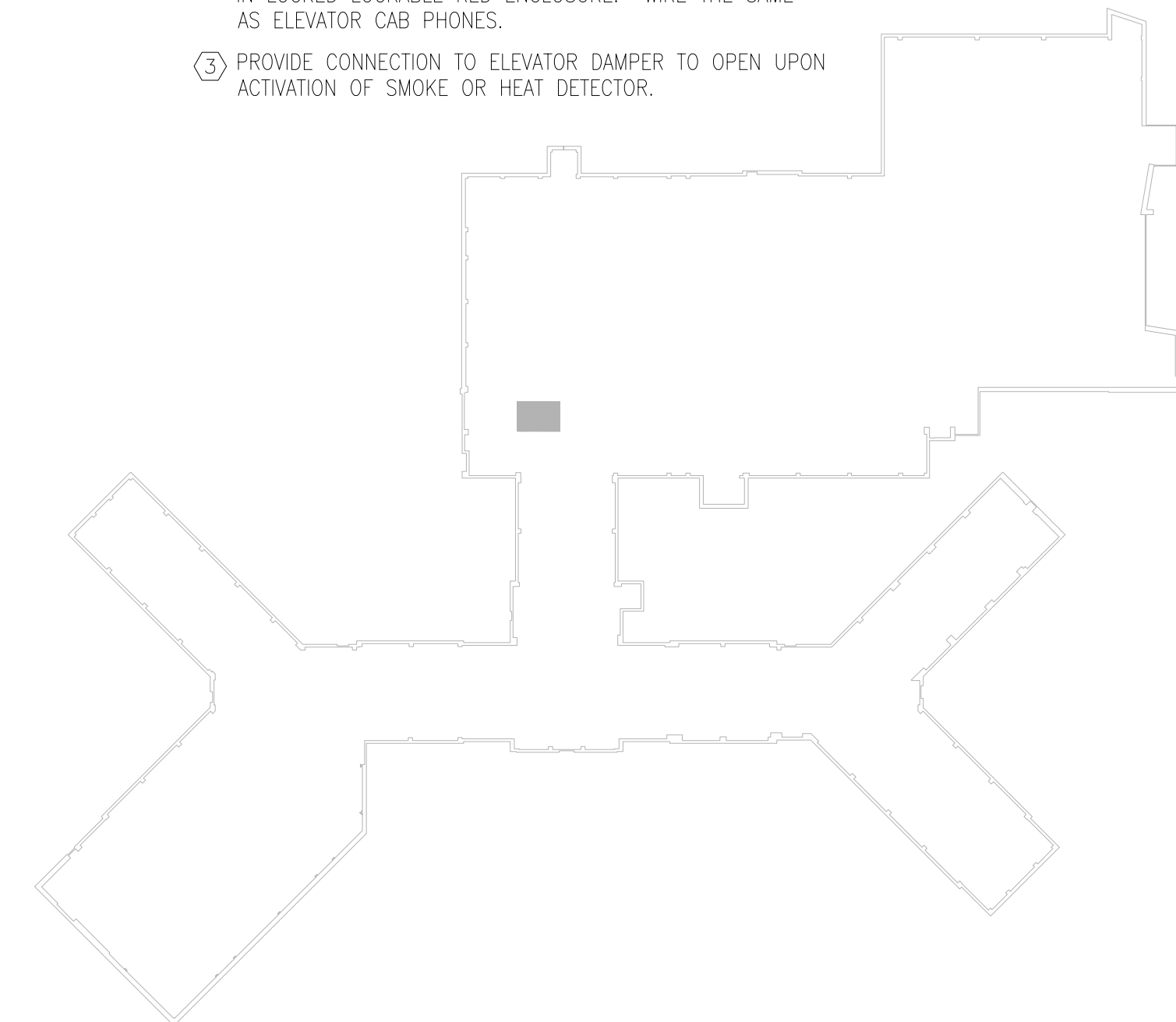
C5 ACCESS PLAN - ELEVATOR No. S6 - BUILDING 1 - FIRST FLOOR  
1/8"=1'-0"

#### GENERAL NOTES:

1. E.C. TO PROVIDE WIRE GUARD ON ALL EXPOSED LIGHTING FIXTURES IN MECHANICAL SPACES.

#### KEYED NOTES:

- ① FURNISH AND INSTALL FIRE FIGHTERS TWO-WAY TELEPHONE IN ELEVATOR CAB. THE TELEPHONE WIRING SHALL BE INSTALLED IN SEPARATE METALLIC RACEWAY BACK TO THE FIRE ALARM COMMAND CENTER LOCATED ON THE FIRST FLOOR IN ROOM #D1090. TELEPHONES SHALL BE COMPATIBLE WITH MORTIFIER SYSTEM. THE SYSTEM SHALL MEET THE SURVIVABILITY REQUIREMENTS FOR FIRE ALARM VOICE/COMMUNICATION CIRCUITS AS REQUIRED BY NFPA 72
- ② FURNISH AND INSTALL FIREFIGHTERS TWO-WAY TELEPHONE IN LOCKED LOCKABLE RED ENCLOSURE. WIRE THE SAME AS ELEVATOR CAB PHONES.
- ③ PROVIDE CONNECTION TO ELEVATOR DAMPER TO OPEN UPON ACTIVATION OF SMOKE OR HEAT DETECTOR.



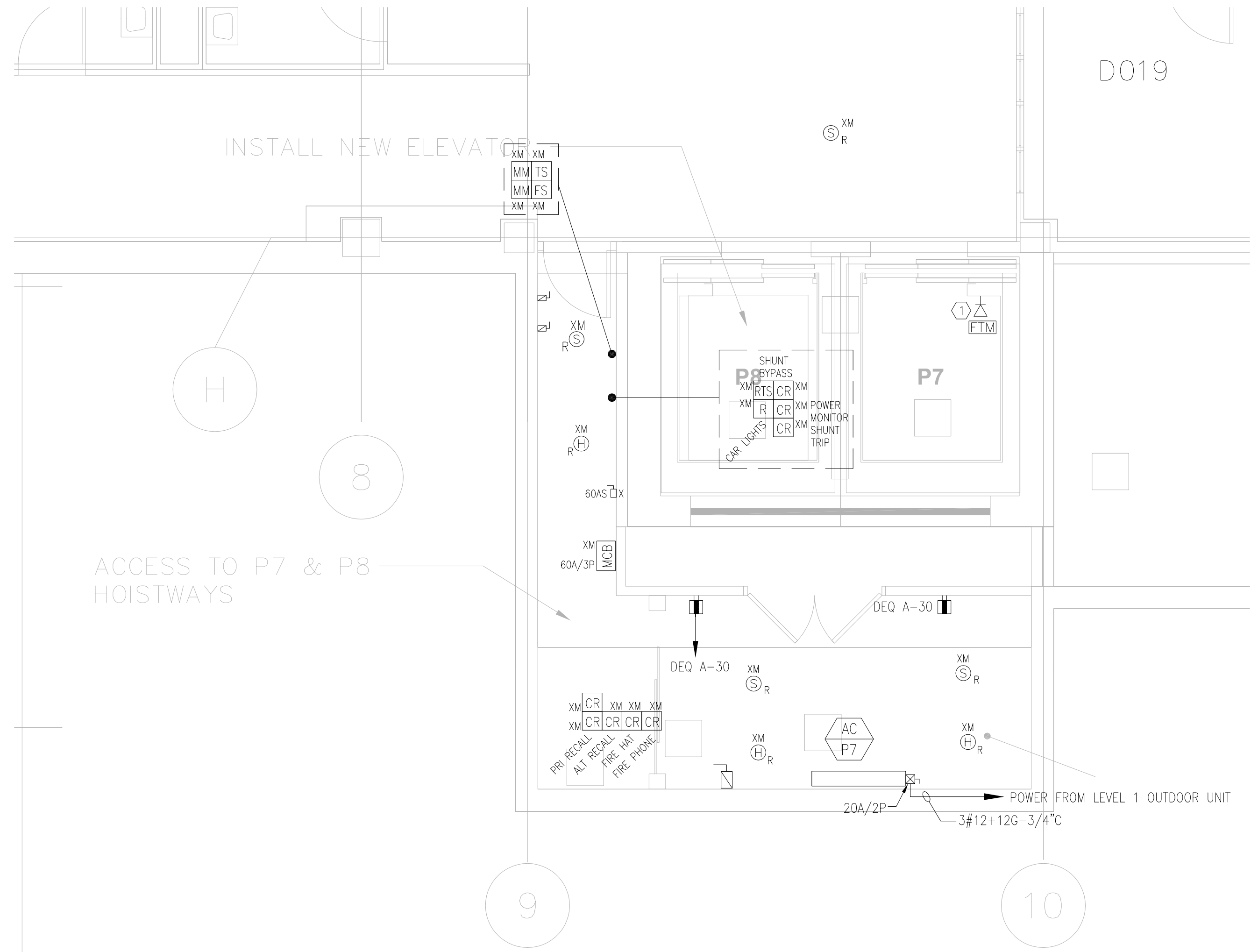
F8 KEY PLAN - ELEVATOR S6, BUILDING 1  
(BID OPTION No.3)  
NTS



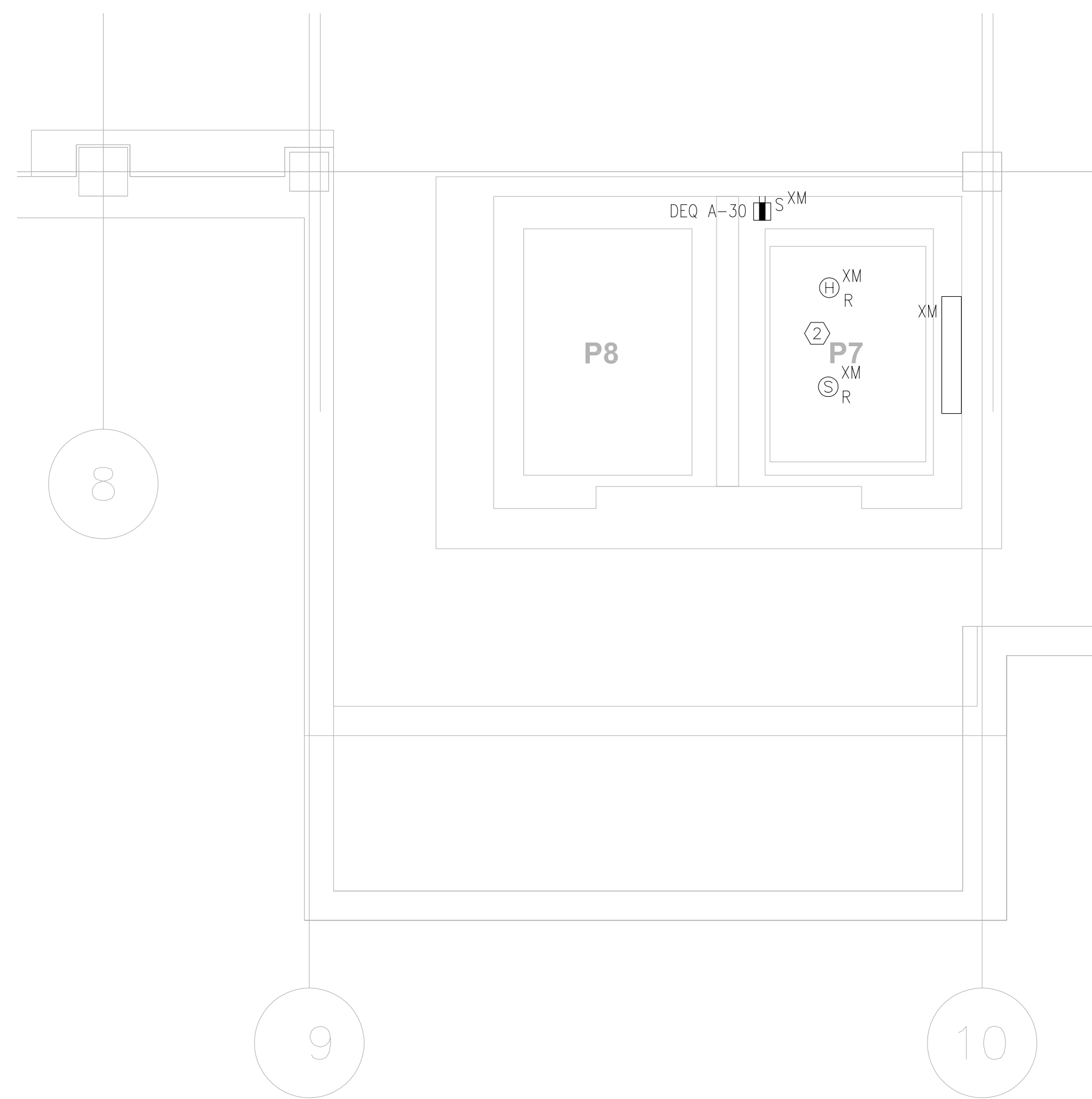
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FULLY SPRINKLERED

CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
Structural Engineer:		MEP/FP Engineers:		ELECTRICAL OPTION 3		Elevator Upgrades and Modernization		650-10-106			
Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		Approved: Project Director		Location VAMC PROVIDENCE, RI 02980		Building Number 1			
Environmental Engineers		Vertical Transportation Specialist		HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700		Date 03/23/12		Checked RR		Drawing Number  E4.04 Dwg. 027 of 030	
CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deussen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116									
Revisions:		Date									

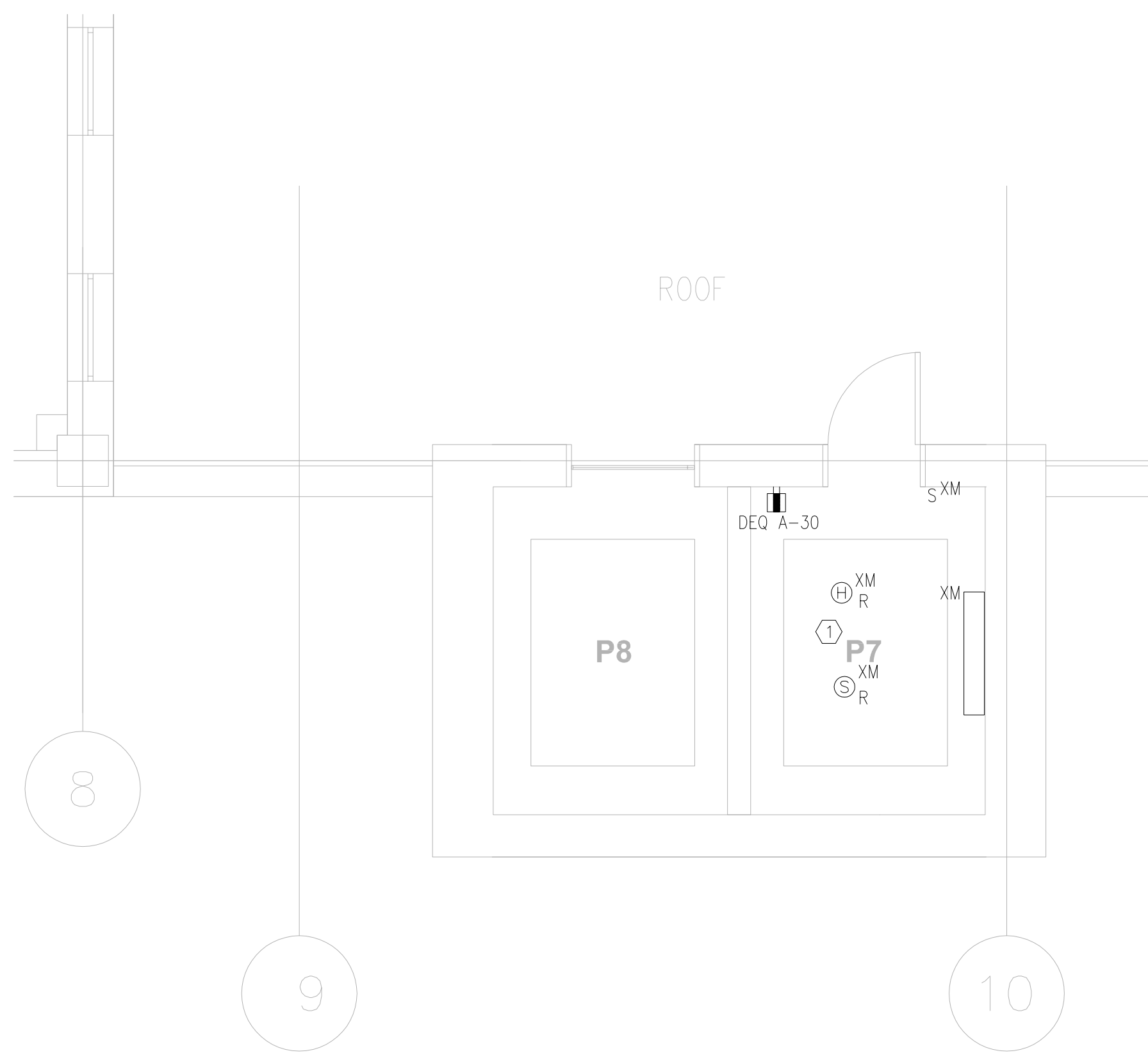




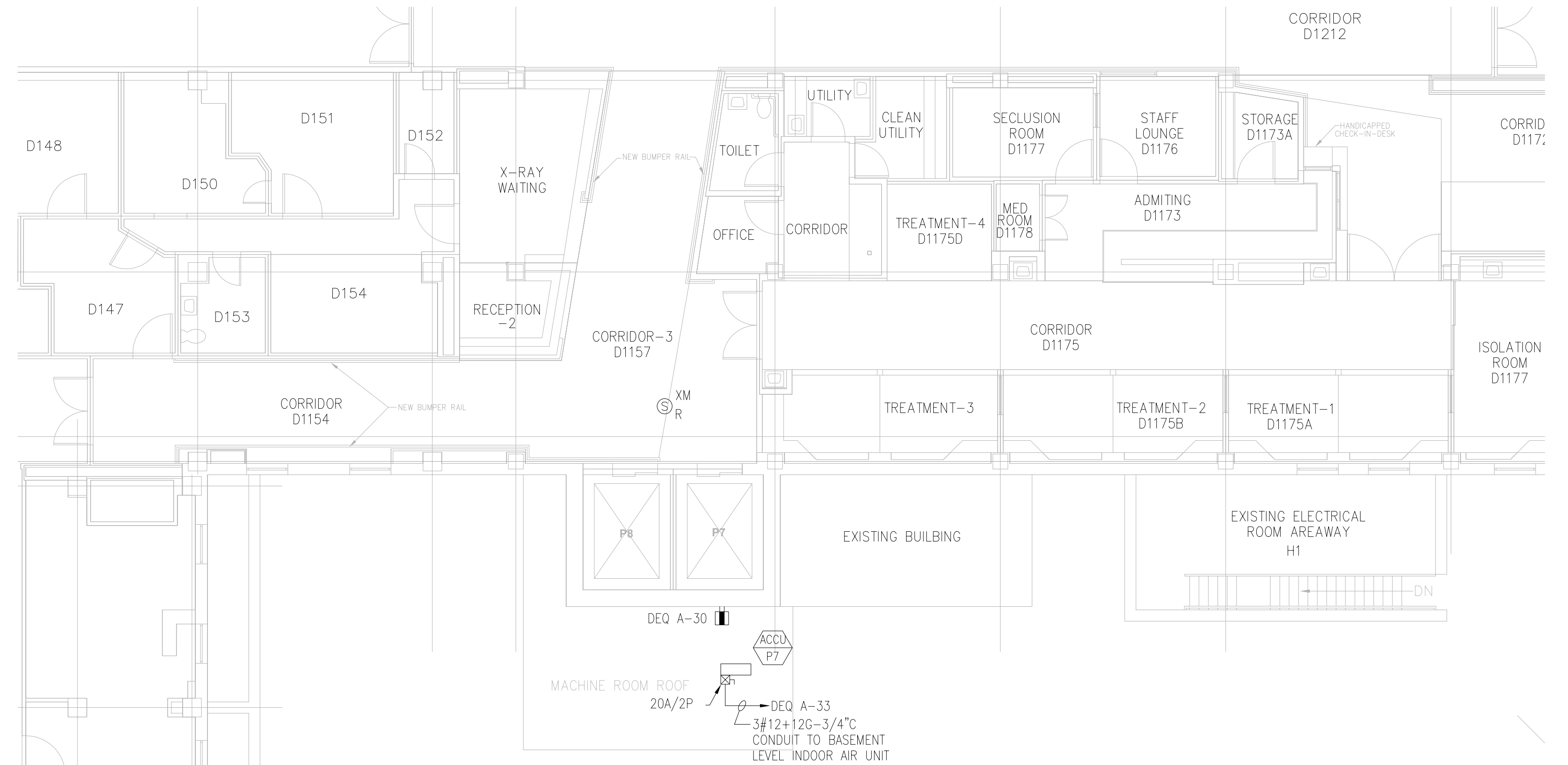
C1 HOISTWAY PLAN — ELEVATOR No. P7 — BUILDING 1 — BASEMENT (FLOORS 1 AND 2 SIM.)  
1/4"=1'-0"



F1 HOISTWAY PIT PLAN — ELEVATOR No. P7  
BUILDING 1 — SUB-BASEMENT  
1/4"=1'-0"



F3 HOISTWAY PENTHOUSE PLAN — ELEVATOR No. P7  
BUILDING 1 — THIRD FLOOR  
1/4"=1'-0"



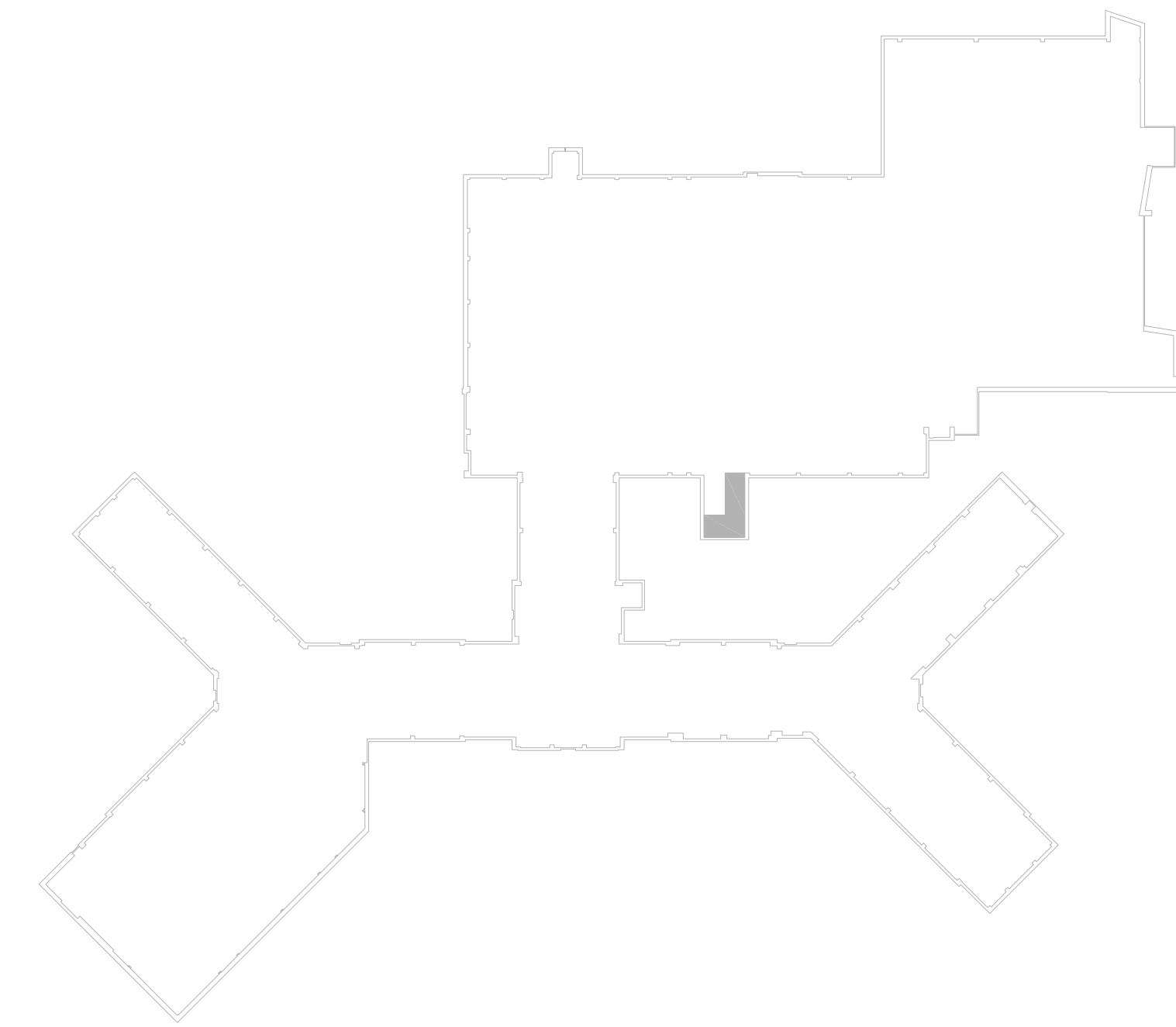
C5 ACCESS PLAN — ELEVATOR No. P7 — BUILDING 1 — FIRST FLOOR  
1/8"=1'-0"

#### GENERAL NOTES:

1. E.C. TO PROVIDE WIRE GUARD ON ALL EXPOSED LIGHTING FIXTURES IN MECHANICAL SPACES.

#### KEYED NOTES:


- ① FURNISH AND INSTALL FIRE FIGHTERS TWO-WAY TELEPHONE IN ELEVATOR CAB. THE TELEPHONE WIRING SHALL BE INSTALLED IN SEPARATE METALLIC RACEWAY BACK TO THE FIRE ALARM COMMAND CENTER LOCATED ON THE FIRST FLOOR IN ROOM #D1090. TELEPHONES SHALL BE COMPATIBLE WITH MORTIFIER SYSTEM. THE SYSTEM SHALL MEET THE SURVIVABILITY REQUIREMENTS FOR FIRE ALARM VOICE/COMMUNICATION CIRCUITS AS REQUIRED BY NFPA 72
- ② PROVIDE CONNECTION TO ELEVATOR DAMPER TO OPEN UPON ACTIVATION OF SMOKE OR HEAT DETECTOR.



F8 KEY PLAN — ELEVATOR P7, BUILDING 1  
(BID OPTION No.4)  
N.T.S.



ISSUE FOR CONSTRUCTION  
FULLY SPRINKLERED

		<b>CONSULTANTS:</b>		<b>ARCHITECT:</b>		<b>Drawing Title</b> <b>ELECTRICAL OPTION 4</b>		<b>Project Title</b> Elevator Upgrades and Modernization		<b>Project Number</b> 650-10-106		<b>Office of Construction and Facilities Management</b>					
		<b>Structural Engineer:</b>		<b>MEP/FP Engineers:</b>		<b>Environmental Engineers</b>		<b>Vertical Transportation Specialist</b>		<b>Building Number</b> 1							
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116		<b>Drawing Number</b> E4.05 Dwg 0280030							
<b>Revisions:</b>		<b>Date</b>				<b>Approved: Project Director</b>		<b>Location</b> VAMC PROVIDENCE, RI 02980		<b>Date</b> 03/23/12		<b>Checked</b> RR		<b>Drawn</b> RR		 <b>Department of Veterans Affairs</b>	







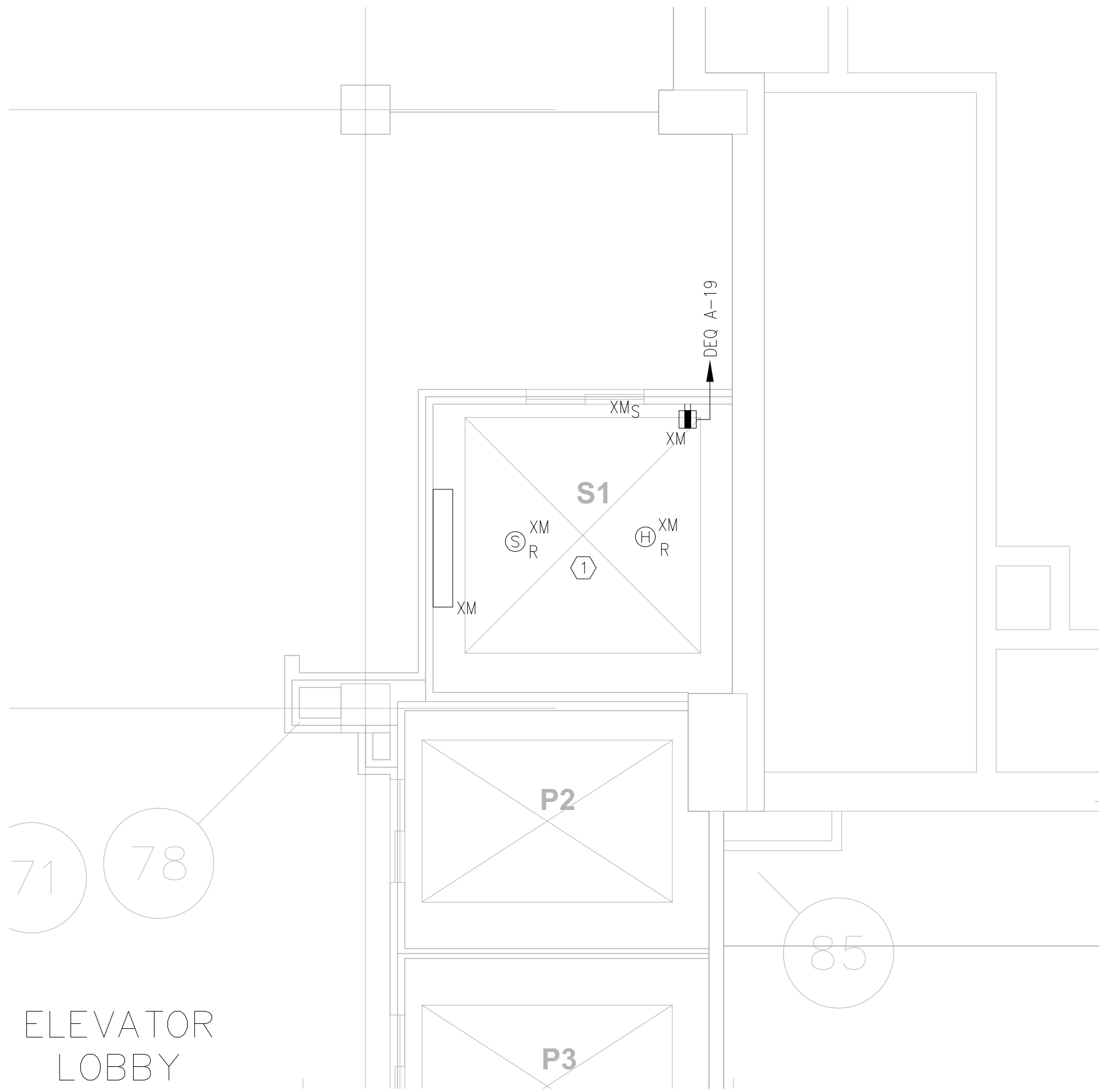
three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
one-quarter inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-eighth inch = one foot

GENERAL NOTES:

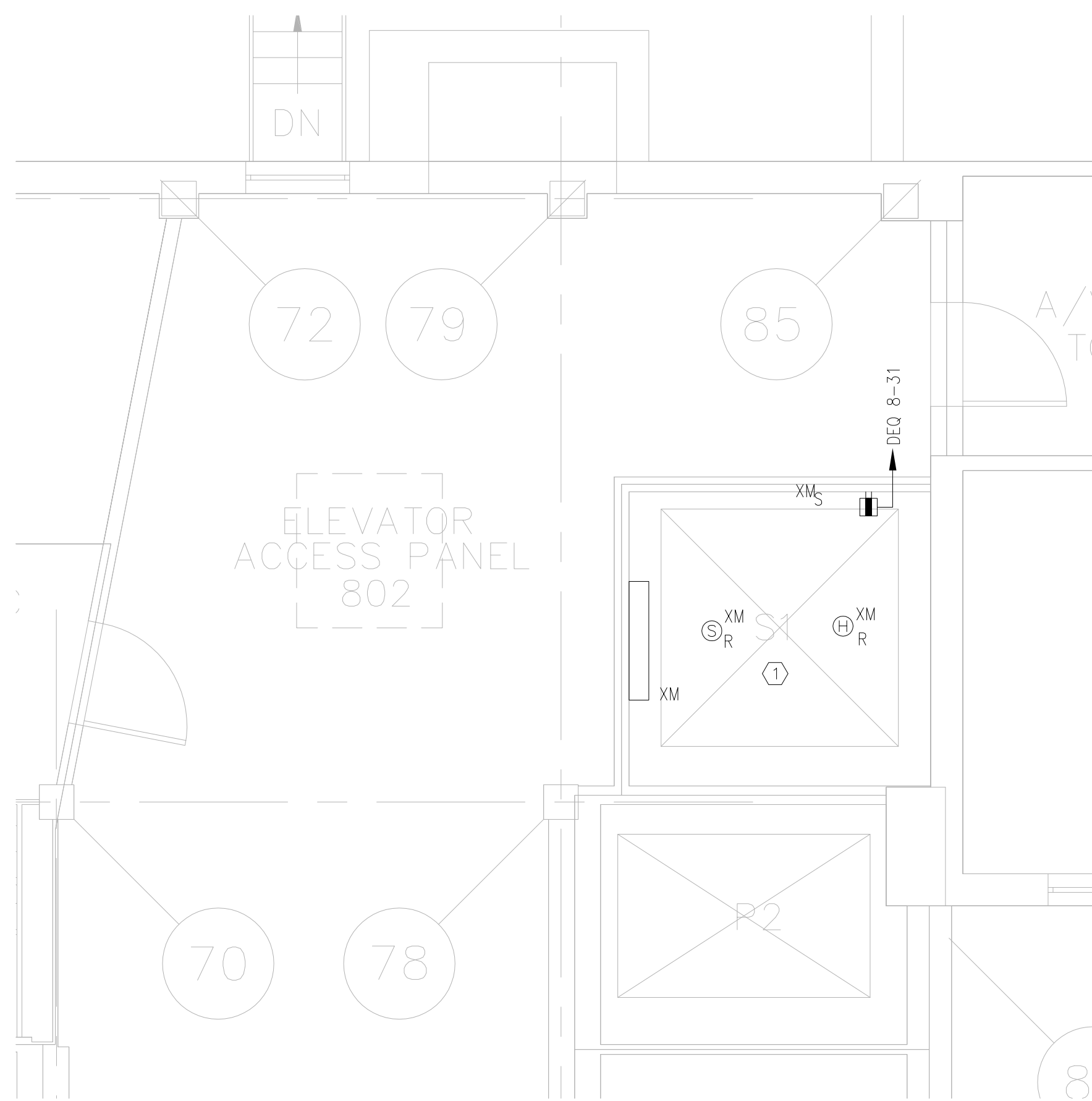
1. E.C. TO PROVIDE WIRE GUARD ON ALL EXPOSED LIGHTING FIXTURES IN MECHANICAL SPACES.

KEYED NOTES:

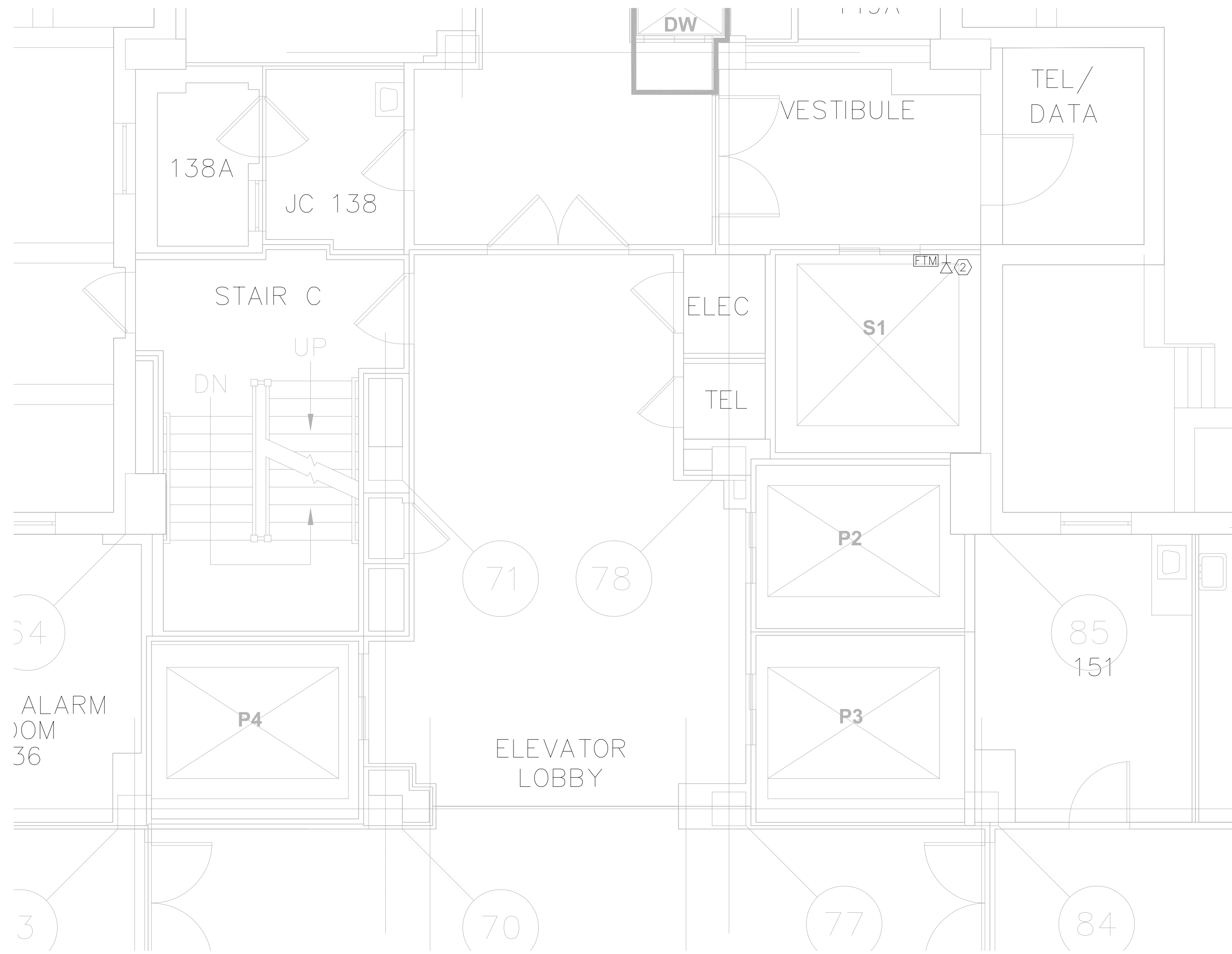
- ① PROVIDE CONNECTION TO ELEVATOR DAMPER TO OPEN UPON ACTIVATION OF SMOKE OR HEAT DETECTOR.
- ② FURNISH AND INSTALL FIRE FIGHTERS TWO-WAY TELEPHONE IN ELEVATOR CAB. THE TELEPHONE WIRING SHALL BE INSTALLED IN SEPARATE METALLIC RACEWAY BACK TO THE FIRE ALARM COMMAND CENTER LOCATED ON THE FIRST FLOOR IN ROOM #D1090. TELEPHONES SHALL BE COMPATIBLE WITH NOTIFIER SYSTEM. THE SYSTEM SHALL MEET THE SURVIVABILITY REQUIREMENTS FOR FIRE ALARM VOICE/COMMUNICATION CIRCUITS AS REQUIRED BY NFPA 72



F1 HOISTWAY PIT PLAN — ELEVATOR No. S1  
BUILDING 1 — SUB-BASEMENT  
1/4"=1'-0"






F3 HOISTWAY PLAN — ELEVATOR No. S1  
BUILDING 1 — EIGHTH FLOOR  
1/4"=1'-0"



C1 HOISTWAY PLAN — ELEVATOR Nos. S1 — BUILDING 1  
(FLOORS 1,2,3,4,5,6&7 SIM.)  
1/4"=1'-0"



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		CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management  Department of Veterans Affairs			
		Structural Engineer:		MEP/FP Engineers:		ELECTRICAL OPTION 6		Elevator Upgrades and Modernization		650-10-106					
								Building Number		1					
		Lim Consultants, Inc. 90 Hamilton Street Cambridge, MA 02139		Thompson Consultants, Inc. 525 Mill Street Marion, MA 02738		CDW Consultants, Inc. 40 Speen Street Suite 301 Framingham, MA 01701		VDA (Van Deusen & Associates) 198 Tremont Street Suite 443 Boston, MA 02116		Drawing Number				E4.07	
		Lim Consultants, Inc.								VAMC PROVIDENCE, RI 02980				Dwg 030 of 030	
										Date				Checked	
										03/23/12				RR	
Revisions:		Date:						Approved: Project Director		Drawn		AJP			
								HDR Architecture, Inc.  695 Atlantic Ave   Boston, MA 02111   617.357.7700							